



SUMMIT COUNTY PUBLIC WORKS DEPARTMENT
PO Box 626, 0037 Peak One Drive
Frisco, Colorado 80443



CTL Thompson, Inc.
1790 Airport Road, Unit 2
Breckenridge, Colorado 80424



Civil Insight, LLC
235 South Ridge Street, Unit 2-A
PO Box 7644 – Breckenridge, CO – 80424

Peak 7 Local Improvements District Paving Project
Engineer's Estimate of Probable Construction Costs July 15, 2019

Project Segment				Overall Project	
Project Length (Lineal Feet (LF))				27,000	
Estimated Production Rate (LF/DAY)				200	
Estimated Project Duration (DAYS)				135	
Estimated Project Duration (WEEKS-5-Day Work Week Assumed)				27	
No.	Description	Unit	Unit Price	Overall Quantity	OA Cost
1	Mobilization	LS	\$250,000	1	\$250,000
2	Construction Surveying	LS	\$38,000	1	\$38,000
3	Geotechnical Testing	LS	\$40,000	1	\$40,000
4	Traffic Control Management	DAY	\$900	140	\$126,000
5	Traffic Control Inspection	DAY	\$250	55	\$13,750
6	Flagging	HOUR	\$30	6,000	\$180,000
7	Temporary Traffic Control Signs (Based Upon S-630-1, Case No. 17)	EACH	\$50	15	\$750
8	Type 3 Barricade	EACH	\$200	4	\$800
9	Temporary Jersey Barrier	EACH	\$100	10	\$1,000
10	Channelization Device (Drum/Cone) (Based Upon S-630-1, Case No. 17 for 2,000 LF Max. Length)	EACH	\$35	50	\$1,750
11	Portable Message Sign Panel	EACH	\$1,500	2	\$3,000
12	Erosion Control Management	DAY	\$300	20	\$6,000
13	Sanitary Facility	EACH	\$3,000	1	\$3,000
14	Construction Staging Perimeter Fence (Orange Plastic)	LF	\$12	300	\$3,600
15	Erosion Log - 12"x10'	EACH	\$60	540	\$32,400
16	Silt Fence	LF	\$5	500	\$2,500
17	Soil Retention Blanket	SY	\$15	400	\$6,000
18	Topsoil	CY	\$100	80	\$8,000
19	Revegetation	ACRE	\$5,000	3	\$15,000
20	Dust Abatement (Water Truck)	HOUR	\$150	120	\$18,000
21	Roadway Sweeper Truck	HOUR	\$150	120	\$18,000
22	Pothole Utilities	HOUR	\$250	40	\$10,000
23	Remove Culvert	EACH	\$700	19	\$13,300
24	Clear and Grub	SY	\$8	1,300	\$10,400
25	Subgrade Preparation	SY	\$5	80,000	\$400,000
26	Subgrade Stabilization Method #1	SY	\$50	800	\$40,000
27	Subgrade Stabilization Method #2	SY	\$70	800	\$56,000
28	Excavation to Embankment	CY	\$50	30	\$1,500
29	Import Structural Fill to Embankment	CY	\$45	300	\$13,500
30	Excavation to Export	CY	\$40	30	\$1,200
31	Install 30" V-Ditch	LF	\$15	3,200	\$48,000
32	Geotextile Fabric (Mirafi RS 280i, or approved equal)	SY	\$25	300	\$7,500
33	Adjust Manhole (less than 20")	EACH	\$250	47	\$11,750
34	Adjust Manhole (greater than 20")	EACH	\$500	47	\$23,500
35	Adjust Valve Box	EACH	\$400	147	\$58,800
36	Mill Existing Recycled Asphalt Surface, 6" depth	SY	\$5	6,000	\$30,000
37	Aggregate Base Course 2" Depth (CL 6 or RAP ABC)	SY	\$6	80,000	\$480,000
38	Asphalt 5" (GR SX-75) - no RAP American Way/Ski Hill Road	SY	\$45	32,000	\$1,440,000
39	Asphalt 4" (GR SX-75) - no RAP Side Roads	SY	\$35	35,000	\$1,225,000
40	Shouldering (2' width) RAP ABC	LF	\$5	54,000	\$270,000
41	6" White Stripe	LF	\$1	26,000	\$26,000
42	Thermoplastic Stop Bar Striping	SF	\$20	20	\$400
43	Install Ground Sign	EACH	\$500	20	\$10,000
44	Guardrail	LF	\$45	100	\$4,500
45	Guardrail End Anchorage	EACH	\$5,000	2	\$10,000
46	Clean Culvert	EACH	\$200	170	\$34,000
47	Concrete Culvert Headwall	EACH	\$500	8	\$4,000
48	Drainage Inlet	EACH	\$7,500	1	\$7,500
49	15" CMP Culvert	LF	\$100	820	\$82,000
50	15" CMP Culvert End Section	EACH	\$300	79	\$23,700
51	18" CMP Culvert	LF	\$140	700	\$98,000
52	18" CMP Culvert End Section	EACH	\$350	21	\$7,350
53	18" RCP Culvert	LF	\$150	100	\$15,000
54	18" RCP Culvert End Section	EACH	\$1,200	5	\$6,000
55	24" RCP Culvert	LF	\$170	150	\$25,500
56	24" RCP Culvert End Section	EACH	\$1,300	4	\$5,200
57	6" PVC Perforated Underdrain	LF	\$50	100	\$5,000
58	Drag Existing Ditches	LF	\$5	15,000	\$75,000
SUBTOTAL				\$5,347,150	
CONTINGENCY 15%				\$802,073	
TOTAL				\$6,149,223	
COST PER LINEAL FOOT				\$228	

County and District Administrative Costs					
Design	LS	\$	50,000.00	1	\$ 50,000.00
Construction Management	LS	\$	150,000.00	1	\$ 150,000.00
Fin/Eng/Atty	LS	\$	50,000.00	1	\$ 50,000.00
Legal	LS	\$	15,000.00	1	\$ 20,000.00
Bond Underwriting	LS	\$	15,000.00	1	\$ 15,000.00
Election Costs	LS	\$	3,000.00	1	\$ 5,000.00
Capitalized Interest	LS	\$	150,000.00	1	\$ 150,000.00
Treasurer Fees	LS	\$	25,000.00	1	\$ 66,000.00
Subtotal:					\$ 356,000.00

Total of admin and construction: \$ 6,655,222.50

Rounded to: \$ 6,660,000.00