



**WATERLOO - SUGAR LOOP**

TRAIL CONSTRUCTION VARIABLES		Miles <b>3.10</b>	approximate L.F.	%	Low Cost per ft	High Cost per ft	Low Estimate	High Estimate	COST VARIABLES**
Standard Bench-Cut Trail	Planning, Layout, Design		<b>16380</b>		\$0.15	\$0.35	\$2,457.00	\$5,733.00	acreage, understorey, connectivity, timeline, design/build, detail flagging, planning meetings, documentation
	Easy (medium contour slopes 15%-35%, minimal rock)		<b>9000</b>	55%	\$2.50	\$3.25	\$22,500.00	\$29,250.00	soil saturation/dryness, rocky soils, site access, corridor clearing, timeline
	Moderate - flat terrain requiring extensive soil manipulation ("basin and rise") to promote positive drainage		<b>1000</b>	6%	\$3.25	\$4.00	\$3,250.00	\$4,000.00	soil saturation/dryness, rocky soils, site access, corridor clearing, timeline
	Difficult - above 55% slopes and/or rock		<b>0</b>	0%	\$3.75	\$5.00	\$0.00	\$0.00	soil saturation/dryness, rocky soils, site access, corridor clearing, timeline
Blue Optimized Trail	Very Difficult (steep and rocky!)		<b>0</b>	0%	\$5.00	\$10.00	\$0.00	\$0.00	soil saturation/dryness, rocky soils, site access, corridor clearing, timeline
	Moderate slopes		<b>5500</b>	34%	\$3.85	\$5.25	\$21,175.00	\$28,875.00	frequency of terrain enhancements, soil saturation/dryness, rocky soils, site access, timeline
	Gentle slopes (more difficult due to lack of soil)		<b>500</b>	3%	\$5.50	\$8.00	\$2,750.00	\$4,000.00	frequency of terrain enhancements, soil saturation/dryness, rocky soils, site access, timeline
	Difficult and/or rocky slopes		<b>0</b>	0%	\$6.50	\$12.00	\$0.00	\$0.00	frequency of terrain enhancements, soil saturation/dryness, rocky soils, site access, timeline
	Switchback turns/berms	4	<b>160</b>	1%	\$16.00	\$30.00	\$2,560.00	\$4,800.00	radius/height, site location, material type/availability, cribwall?
<b>TREAD ESTABLISHMENT</b>							<b>\$54,692.00</b>	<b>\$76,658.00</b>	
					<b>Ave \$ per LF=&gt;</b>		<b>\$3.34</b>	<b>\$4.68</b>	
					<b>Ave \$ per mile =&gt;</b>		\$17,629.66	\$24,710.27	
Special Trail Items	Armoring, Crib Walls (Stone)		<b>220</b>	1.3%	\$12.00	\$18.00	\$2,640.00	\$3,960.00	soil saturation/dryness, rocky soils, site access, timeline
	Features (Optional lines, signature trail segments)		<b>0</b>	0.0%	\$50.00	\$200.00	\$0.00	\$0.00	HIGHLY VARIABLE...site access, material choice, timeline
	Bridges, Boardwalks		<b>0</b>	0.0%	\$120.00	\$200.00	\$0.00	\$0.00	HIGHLY VARIABLE...site access, material choice, timeline
<b>SPECIAL CONDITIONS/FEATURES</b>							<b>\$2,640.00</b>	<b>\$3,960.00</b>	
<b>TOTALS (TREAD + SPECIAL ITEMS)</b>							<b>\$57,332.00</b>	<b>\$80,618.00</b>	<b>EXPECTED AVG. MIDPOINT EST. COST = \$69,000</b>
			<b>16380</b>		<b>Ave \$ per LF=&gt;</b>		<b>\$3.50</b>	<b>\$4.92</b>	
					<b>Ave \$ per mile =&gt;</b>		\$18,480.64	\$25,986.75	