



## **Rollingwood Park Trail Reconstruction Estimate**

Date: 6/7/24

**Scope of Work Summary:** There is currently approximately 1,900 linear feet of decomposed granite trail with limestone block edging creating a loop trail that requires reconstruction with *stabilized decomposed granite* to achieve the same aesthetic appearance and mitigate erosion and maintenance requirements as well as the associated expenses. The current trail and edging will have to be removed and new road base and stabilized decomposed granite will need to be applied to ensure adequate base compaction and cross slope drainage. It is possible to recycle the existing limestone edging although some additional limestone block and cement stabilized sand will be required to reconstruct the limestone edging correctly.

It is evident that the north and west side of the loop (approximately 900 linear feet) is experiencing erosion caused by sheet flowing water across the trail surface as well as limestone block edging failure. These types of environmental conditions require a strong binder to resist erosion and hold up to maintenance vehicle traffic during saturated/wet conditions (i.e., *Stalok Decomposed Granite*). The South and East side of this trail loop appears to have fewer drainage issues and warrants the use of water activated binder (i.e., *Stabilizer Decomposed Granite*). It is also noted that concrete transitions are needed between decomposed granite and concrete sidewalk/curb cut elements to ensure ADA compliance over time, trail use, and exposure to the elements.

It is possible for this project to be completed within a 2-month timeline (from demo to complete reconstruction) given fair working weather conditions and accessibility to working area. It is also possible for this project to be phased according to jobsite accessibility/park operations/scheduling and/or budget constraints. This type of phasing will have impacts on the estimate so please let me know if a phased project implementation is required.

Maas Verde is to complete Engineering Drainage Report that will inform the trail drainage infrastructure (Estimate for trail drainage infrastructure TBD after engineering drainage report is complete).

**Trail Reconstruction Alternatives and Budget:** EGC can also provide alternative trail surface construction methodologies and/or materials that could provide cost savings. These alternatives could include concrete, pervious concrete, and/or the removal of the limestone edging that can result in cost savings.



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GENERAL CONTRACTING

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## ITEMIZED ESTIMATE:

Construction Element	Item Description	Estimated Total
Equipment and Operations Necessary to Demo and Repair Approximately 1,850 linear feet of trail	CAT 299D2 skid with bucket and forks	\$ 7,306.88
	47" double drum ride-on roller	\$ 7,306.88
	Equipment Operations	\$ 35,073.00
	Hauling of all excavated materials	\$ 3,507.00
	Water tank/truck	\$ 1,500.00
	<b>Subtotal</b>	<b>\$ 54,693.75</b>
Application of new material	Stalok DG Material	\$ 49,297.05
	Stabilizer DG Material	\$ 11,907.50
	Road base	\$ 6,645.60
	Portland cement	\$ 1,591.44
	Sand	\$ 4,340.28
	Limestone cut block (6"x6") Allowance	\$ 1,139.87
	Backfill soil allowance	\$ 3,288.09
	Labor	\$ 85,000.00
<b>Subtotal</b>	<b>\$ 163,209.84</b>	
Miscellaneous	Allowance for Tree protection	\$ 3,653.44
	Allowance for Concrete transition elements	\$ 10,960.31
	Fuel for equipment and generators	\$ 730.69
	Erosion Control silt fence for approximately 1900 lf	\$ 3,887.26
	Allowance for irrigation repairs	\$ 2,192.06
	<i>Contingency for engineered drainage solutions TBD</i>	\$ -
	Staging security fencing	\$ 1,948.50
	Portable Toilet	\$ 1,169.10
<b>Subtotal</b>	<b>\$ 24,541.36</b>	
<b>Mobilization Fee</b>		<b>\$ 7,500.00</b>
<b>Estimated Grand Total</b>		<b>\$ 249,944.95</b>

**Note\*:** This estimate is subject to change. If construction phasing is required, the mobilization fee will need to be adjusted accordingly. EGC will be happy to work with the Rollingwood Park Team to develop additional itemized estimates for trail surface alternatives and/or value engineered alternatives for a consultation fee to be determined based on scope of work and desired deliverables.



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