

MEMORANDUM**Project:** Rail Trail - Warner, NH**Subject:** Planning Level Cost Estimate**Date:** July 29, 2014

Trail from Exit 9 to Chemical Lane					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL COSTS
1	Mobilization	1	LS	\$15,000.00	\$15,000
2	Site Preparation	1	LS	\$10,000.00	\$10,000
3	Excavation	1000	CY	\$10.00	\$10,000
4	Bridge Super Structure (120')	1	EA	\$144,000.00	\$144,000
5	Bridge Substructure (120' Bridge)	1	EA	\$90,000.00	\$90,000
6	Bridge Superstructure (40')	1	EA	\$48,000.00	\$48,000
7	Bridge Substructure (40' Bridge)	1	EA	\$32,000.00	\$32,000
8	Crushed Gravel	360	CY	\$24.00	\$8,640
9	Hard Pack Trail Surface	360	CY	\$30.00	\$10,800
10	Bridge Approach Rail	300	LF	\$85.00	\$25,500
11	Safety Fence	500	LF	\$15.00	\$7,500
12	Rip Rap (Class B)	100	CY	\$75.00	\$7,500
13	Loam and Seed	2,500	SY	\$3.50	\$8,750
14	Signing and Striping	1	LS	\$800.00	\$800
15	Traffic Control	1	LS	\$5,000.00	\$5,000
	Miscellaneous (15%)				\$63,524

Total Construction Costs	\$487,014
Preliminary and Final Design Engineering (16%)	\$77,922
Construction Engineering (20%)	\$97,403
Total Project Amount	\$662,338