

The Grand History Trail – Gettysburg Pennsylvania to the Maryland State Border

Segment Reach Analysis Chart - Long-Term Off-Road Trail Alignment - ALTERNATE 3 (Reference Map E)																													
Segment Description				ROW - Existing Conditions						Trail Recommendations						Opinion of Probable Cost of Construction													
Abbrvs.	GNMP - Gettysburg National Military Park			NPS - Nation Park Service; PDOT - PennDOT; M - Municipal; CE - Conservation Easement; P - Private						S.T.R. - Share-the-Road Route; ORT - Off Road Trail; SP - Side Path; HOP - Highway Occupancy Permit						PM&S - Pavement Marking and Signage													
Segment Number	Start Point	Route	End Point	Approx. Length (ft.)	Approx. Length (mile)	ROW Type	ROW Width - Existing	Vehicle Traffic Volume (AADT)	Topography (Qual. Slope Anal.)	Trail Type Recommended	Trail Experience	Use Agrmnt. Req'd.	HOP Required	ROW Acqstn. Req'd.	Land Parcels Impacted		Approx. Length (ft.)	10 to 12 Feet Wide Asphalt Paved Trail	Share-the-Road PM&S	Directional & Safety Signage	Earthwork / Stormwater Management	Fencing & Landscaping (buffers)	Misc. Construction	Totals - with Asphalt Paved Off Road Trails	Deduction for Crushed Stone Off Road Trails	Totals - with Crushed Stone Off Road Trails			
															R	L											120	25	5
1	1	1	1	GNMP Visitor Center	Taneytown Rd. / Pleasonton Ave. / Hancock Ave.	Steinwehr Ave. / Cyclorama Dr.	9240	1.75	NPS							1 (GNMP)	9240	\$ 1,108,800		\$ 46,200	\$ 184,800	\$ 277,200	\$ 92,400	\$ 1,710,000	\$ (462,000)	\$ 1,248,000			
2	2	2	2	Steinwehr Ave. / Cyclorama Dr.	Emmitsburg Rd.	Millerstown Rd. / Emmitsburg Rd.	6888	1.30	PDOT/NPS							1 (GNMP)	6888	\$ 826,560		\$ 34,440	\$ 137,760	\$ 206,640	\$ 68,880	\$ 1,275,000	\$ (344,400)	\$ 931,000			
3	3	3	3	Millerstown Rd. / Emmitsburg Rd.	Emmitsburg Rd.	Eisenhower Farm Rd. / Emmitsburg Rd.	4313	0.82	PDOT/NPS							1 (GNMP)	4313	\$ 517,560		\$ 21,565	\$ 86,260	\$ 129,390	\$ 43,130	\$ 798,000	\$ (215,650)	\$ 583,000			
7				Emmitsburg Rd. / Eisenhower Farm Rd.	Eisenhower Farm Rd.	Eisenhower Farm Rd. at the Eisenhower National Historic Site (House)	3327	0.63	NPS								3327		\$ 83,175	\$ 16,635			\$ 33,270	\$ 134,000		\$ 134,000			
8				Eisenhower Farm Rd. the Eisenhower National Historic Site (House)	Eisenhower Farm Field Edge	Red Rock Rd. / field edge route	1839	0.35	NPS							1 (GNMP)	1839	\$ 220,680		\$ 9,195	\$ 36,780	\$ 55,170	\$ 18,390	\$ 341,000	\$ (91,950)	\$ 250,000			
9	9			Red Rock Rd. / field edge route	Red Rock Rd.	Red Rock Rd. / Waterworks Rd. (Eisenhower Bridge)	905	0.17	M								905		\$ 22,625	\$ 4,525			\$ 9,050	\$ 37,000		\$ 37,000			
10	10			Red Rock Rd. / Waterworks Rd. (Eisenhower Bridge)	Waterworks Rd.	Waterworks Rd. / Sachs Covered Bridge	2563	0.49	M/NPS								2563		\$ 64,075	\$ 12,815			\$ 25,630	\$ 103,000		\$ 103,000			
11				Waterworks Rd. / Sachs Covered Bridge	Marsh Creek Corridor / Private Lands	Driveway entrance to Shields property at 957 Red Rock Rd.	6389	1.21	P/CE/NPS							3 (Shields/GNMP)	6389	\$ 766,680		\$ 31,945	\$ 127,780	\$ 191,670	\$ 63,890	\$ 1,182,000	\$ (319,450)	\$ 863,000			
12	12			Driveway entrance to Shields property at 957 Red Rock Rd.	Red Rock Rd.	Red Rock Rd. / Schriver Rd.	1239	0.23	M								1239		\$ 30,975	\$ 6,195			\$ 12,390	\$ 50,000		\$ 50,000			
13	13			Red Rock Rd. / Schriver Rd.	Schriver Rd.	Schriver Rd. / Cunningham Rd.	5595	1.06	M/P								5595		\$ 139,875	\$ 27,975			\$ 55,950	\$ 224,000		\$ 224,000			
29				Schriver Rd. / Cunningham Rd.	Cunningham Rd.	Pumping Station Rd. / Cunningham Rd.	4979	0.94	PDOT/P	28 ft to 40 ft	150	Low	SP	Rural	X	X	X	4	4	4979	\$ 597,480		\$ 24,895	\$ 99,580	\$ 149,370	\$ 49,790	\$ 922,000	\$ (248,950)	\$ 674,000
30				Pumping Station Rd. / Cunningham Rd.	Pumping Station Rd. / Middle Creek Rd.	Middle Creek Rd. / Gordon Rd.	9246	1.75	PDOT/M/P/CE	33 ft to 40 ft	150-1200	High	SP	Suburban/Rural	X	X	X	10	17	9246	\$ 1,109,520		\$ 46,230	\$ 184,920	\$ 277,380	\$ 92,460	\$ 1,711,000	\$ (462,300)	\$ 1,249,000
17	17			Middle Creek Rd. / Gordon Rd.	Middle Creek Rd.	Middle Creek Rd. / Wenschhof Rd.	845	0.16	M/P								845	\$ 101,400		\$ 4,225	\$ 16,900	\$ 25,350	\$ 8,450	\$ 157,000	\$ (42,250)	\$ 115,000			
18	18			Middle Creek Rd. / Wenschhof Rd.	Wenschhof Rd.	Wenschhof Rd. / Stultz Rd.	2200	0.42	M/P								2200	\$ 264,000		\$ 11,000	\$ 44,000	\$ 66,000	\$ 22,000	\$ 407,000	\$ (110,000)	\$ 297,000			
19				Wenschhof Rd. / Stultz Rd.	Stultz Rd.	Stultz Rd. / Rohrbaugh Rd.	2337	0.44	M/P								2337	\$ 280,440		\$ 11,685	\$ 46,740	\$ 70,110	\$ 23,370	\$ 433,000	\$ (116,850)	\$ 317,000			
22				Stultz Rd. / Rohrbaugh Rd.	Stultz Rd.	Stultz Rd. / Boyle Rd.	3880	0.73	M/P								3880	\$ 465,600		\$ 19,400	\$ 77,600	\$ 116,400	\$ 38,800	\$ 718,000	\$ (194,000)	\$ 524,000			
23				Stultz Rd. / Boyle Rd.	Boyle Rd.	Boyle Rd. / Irishtown Rd.	2235	0.42	M/P								2235	\$ 268,200		\$ 11,175	\$ 44,700	\$ 67,050	\$ 22,350	\$ 414,000	\$ (111,750)	\$ 303,000			
24				Boyle Rd. / Irishtown Rd.	Irishtown Rd.	PA-MD State Line on Irishtown Rd.	2790	0.53	M								2790		\$ 69,750	\$ 13,950			\$ 27,900	\$ 112,000		\$ 112,000			
																						TOTAL		\$ 10,728,000			\$ 8,014,000		
																						Construction Contingency - 10%		\$ 1,073,000			\$ 802,000		
																						Design, Engineering & Documentation		\$ 1,181,000			\$ 882,000		
																						TOTAL Opinion of Prob. Cost of Const.		\$ 12,982,000			\$ 9,698,000		
																						Approximate Total Length in Miles		13.4			13.4		
																						Approx. Cost Per Mile		\$ 969,000			\$ 724,000		