

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

Segment Reach Analysis Chart - Long-Term Off-Road Trail Alignment - ALTERNATE 1 (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	20	30	10	50											
1	1	1	1	GNMP Visitor Center	Taneytown Rd. / Pleasonton Ave. / Hancock Ave.	Steinwehr Ave. / Cyclorama Dr.	9240	1.75	NPS			Low	ORT/SP	National Park	X			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		3,000	Low	SP	National Park	X	X		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		3,000	Medium	SP	National Park	X	X		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			Medium	S.T.R.	National Park	X				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			Low	ORT	National Park	X			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			Low	S.T.R.	National Park					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			Low	S.T.R.	Suburban/Rural					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			Medium	ORT	Rural	X	X		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			Medium	S.T.R.	Suburban					1239		\$ 30,975	\$ 6,195			\$ 12,390	\$ 50,000		\$ 50,000																	
27				Red Rock Rd. /Schriver Rd.	Red Rock Rd.	Red Rock Rd. / Pumping Station Rd.	1896	0.36	M			Medium	S.T.R.	Rural					1896		\$ 47,400	\$ 9,480			\$ 18,960	\$ 76,000		\$ 76,000																	
28				Red Rock Rd. / Pumping Station Rd.	Pumping Station Rd.	Pumping Station Rd. / Cunningham Rd.	4646	0.88	PDOT/P/CE	33 ft	650	Medium	SP	Rural	X	X	X	4	5	4646	\$ 557,520		\$ 23,230	\$ 92,920	\$ 139,380	\$ 46,460	\$ 860,000	\$ (232,300)	\$ 628,000																
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			Medium	SP	Suburban/Rural	X	X		2	1	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			Medium	SP	Suburban/Rural	X	X		6	6	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			Low	SP	Rural	X	X		6	5	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			Low	SP	Suburban/Rural	X	X		8	10	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			Low	SP	Suburban/Rural	X	X		11	5	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			Medium	S.T.R.	Suburban/Rural						2790		\$ 69,750	\$ 13,950			\$ 27,900	\$ 112,000		\$ 112,000																

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<b>TOTAL</b>	<b>\$ 10,518,000</b>	<b>\$ 7,820,000</b>
<b>Construction Contingency - 10%</b>	<b>\$ 1,052,000</b>	<b>\$ 782,000</b>
<b>Design, Engineering &amp; Documentation</b>	<b>\$ 1,157,000</b>	<b>\$ 861,000</b>
<b>TOTAL Opinion of Prob. Cost of Const.</b>	<b>\$ 12,727,000</b>	<b>\$ 9,463,000</b>
<i>Approximate Total Length in Miles</i>	<i>12.6</i>	<i>12.6</i>
<i>Approx. Cost Per Mile</i>	<i>\$ 1,007,000</i>	<i>\$ 749,000</i>