

MA Central Rail Trail - Sudbury Section - Stone Dust Trail				Engineer's Conceptual Cost Estimate	
Item	Description	Qty	Units	Unit Price	Total
1	Project Management	1	LS	na	\$20,000
2	Wetlands Delineation (WS)	1	LS	na	\$18,000
3	Notice of Intent (NOI) & SWPPP Preparation / Filing	1	LS	na	\$30,000
4	ConComm Public Hearings	4	Each	\$3,000	\$12,000
5	Implement Erosion Controls	1	LS	na	\$40,000
6	Engineering Design Drawings - Crossing Details - 60' Scale	15	sheets	\$4,000	\$60,000
7	ADA Layout, Slope & Misc. Details	1	sheet	\$15,000	\$15,000
8	Grade Crossings, including MUTCD Signage - nine locations	7	Each	\$4,000	\$28,000
9	RRFB Signs at Route 20 and Union Street	2	Each	\$15,000	\$30,000
10	Rail & Tie Removal, with Rough Grading	4.6	Miles	\$20,000	\$92,000
11	Bridge and Stream Crossings (5), including Deck Replacement & Hand Rails	250	LF	\$250	\$62,500
12	Stone Dust & Granite Stabilizer at up to 6 ADA Access Locations (in place)	10	Each	\$7,500	\$75,000
13	Flexible shoulders	1	LS	NA	\$100,000
14	Survey Layout & Verification	10	Days	\$3,000	\$30,000
15	Insurance and Bonds	1	5+/-%	NA	\$32,500
16	Contingency	1	Allowance	NA	\$55,000
Total Estimate of Probable Construction Cost.....					\$700,000

Assumptions:

1. Up to ten (10) ADA trail access points
2. Stone dust surface, including stabilized granite at ADA access points
3. O&M of ADA access points & trail by Sudbury Greenways or others
4. Compliance with MassDEP Best Management Practices for Rails to Trails projects
5. Layout based on MassGIS Drawings
6. MEPA Certificate already issued

Bruce Freeman Trail - Stone Dust Trail Option

Engineer's Conceptual Cost Estimate

Item	Description	Qty	Units	Unit Price	Total
1	Project Management & Coordination	1	FMLS	na	\$25,000
2	Wetlands Delineation	1	LS	na	\$25,000
3	Notice of Intent (NOI), Project Information Form (PIF) & SWPPP Preparation / Filing	1	LS	na	\$55,000
4	ConComm Public Hearings	4	Each	\$3,000	\$12,000
5	Implement Erosion Controls	1	LS	na	\$30,000
6	Engineering Design Drawings - Crossing Details - 60 Scale	15	sheets	\$4,000	\$60,000
7	ADA Layout, Slope & Misc. Details	1	sheet	\$15,000	\$15,000
8	Grade Crossings, including MUTCD Signage - Five (5) locations	5	Each	\$4,000	\$20,000
9	RRFB Signs - Four (4) Locations	4	Each	\$20,000	\$80,000
10	Rail & Tie Removal, with Rough Grading	4.4	Miles	\$15,000	\$66,000
11	Bridge and Stream Crossings (3) - Deck Replacement	200	LF	\$300	\$60,000
12	Stone Dust & Granite Stabilizer at up to 10 ADA Access Locations (in place)	10	Each	\$7,500	\$75,000
13	Flexible Shoulders & Guard Rails	1	LS	NA	\$100,000
14	Misc. Drainage Improvements	1	Allowance	NA	\$50,000
15	Survey Layout & Grade Verification	9	Days	\$3,000	\$27,000
16	Insurance and Bonds	1	5+-%	NA	\$37,500
17	Contingency	1	Allowance	NA	\$62,500
Totals Estimated Conceptual Design / Build Cost.....					\$800,000

Assumptions:

1. O&M of ADA surfaces by Sudbury Greenways or Others.
2. Comply with Best Management Practices for Trail Trails.
3. Design layout based upon MassGIS Drawings.
4. Assumes Project Information Form Only; No ENF required under MEPA.