

Middlebury Rail Sidewalk Project

Project Description:

This project includes the design and construction a of sidewalk extension along the west side of the Vermont Railway from the Amtrak Rail Platform and parking lot to Lazarus Park. The proposal includes approximately 1,000 linear feet of new sidewalk and two (2) ADA-accessible pedestrian crosswalks. The sidewalk will be constructed mostly in the State’s right of way for the railroad, but will also run through town right of way and the Marble Works commercial complex.

Project Budget:

VHB’s construction cost estimate has been prepared using VTrans’ [Report on Shared Use Path and Sidewalk Costs](#), which provides per foot cost estimates for different types of pedestrian facilities. The assumed typical section for the sidewalk consists of 12” of subbase material and 5” thick concrete sidewalk. According to the VTrans Report, the “basic” cost of a 5-foot-wide sidewalk with no curb is \$63/foot, and with concrete curb it is \$95/foot. The “basic” cost accounts for the excavation and materials required to build the sidewalk but does not include other costs that are incidental to the construction, including striping and signage, mobilization, drainage, landscaping, engineering, permitting, inspection and management. VHB’s estimate of the sidewalk costs and the additional costs are summarized in the table below.

Item Description	Quantity	Unit Cost	Total Cost
Concrete sidewalk with no curb	850 FT	\$63	\$53,550
Concrete sidewalk with curb	150 FT	\$95	\$14,250
Detectable warning surface	40 SF	\$45	\$1,800
Signage and striping	1 LS	\$2,500	\$2,500
Landscaping and drainage	1 LS	\$10,000	\$10,000
Erosion Prevention and Sediment Control	1 LS	\$2,000	\$2,000
Subtotal 1			\$84,100
Construction Contingency (15%)			\$12,600
Subtotal 2			\$96,700
Mobilization/Demobilization (10%)			\$10,000
Subtotal 3			\$106,700
Engineering, Survey and Permitting Services (25%)			\$26,700
Town’s Project Management	40 hours	\$75	\$3,000
Easement acquisition costs	1 LS	\$5,000	\$5,000
Construction Inspection (15%)			\$16,000
Total			\$157,400