

10 Construction Cost Estimate

The purpose of this section is to provide a budgetary estimate of anticipated construction costs for each segment of the recommended alternative.

The construction cost estimate is based on:

- Bids received from contractors on other Massachusetts trail projects
- Similar work recently designed by the Consultant

The estimate has been broken down by major trail segments and presented in tabular form in Table 8. This estimate is based on 2009 construction costs. The estimate will need to be escalated to account for expected increases in the cost of construction before the trail is actually built.

For the purposes of this study, the cost estimate does not include the cost of:

- Land acquisition (permanent or temporary easements or takings)
- Utility relocations
- Site amenities (benches, picnic tables, bike racks)
- Landscaping
- Wetlands protection

A range of construction costs has been included to account for specific items of work that will be determined during the preliminary design phase.

Table 8: Estimated Construction Costs – Recommended Alternative

RECOMMENDED ALTERNATIVE					
Alternative	Trail Segment	Facility Type	Segment Length (Feet)	Estimated Construction Cost	Notes
1A 2A	South Orleans Post Office to Eldredge Park Way	Shared Use Trail	6,900 4,600	\$1.5-2M	<ul style="list-style-type: none"> • Construction of asphalt trail surface and berm • Construction of retaining walls • Cost will vary based on extent of roadside impacts (i.e. vegetation, utilities) • Installation of directional and warning signage
3B	Middle School Campus	Sidewalk (Walkway)	1,850	\$120-130K	<ul style="list-style-type: none"> • Construction of a 6 foot wide asphalt walkway to minimize slope impacts around upper parking lot • Installation of wood guardrail or fence to separate trail from parking
3B	Trail to Village Green	Sidewalk (Walkway)	450	\$15-20K	<ul style="list-style-type: none"> • Construction of a 6 foot wide stabilized stone dust trail
3D	Eldredge Park Way to West Road	Bike Route	5,500	\$1K	<ul style="list-style-type: none"> • Installation of directional (Bike Route) and warning (Share the Road) signage • Cost depends on proposed number of signs

Table 9: Estimated Construction Costs – Alternates

ALTERNATES					
Alternative	Trail Segment	Facility Type	Segment Length (Feet)	Estimated Construction Cost	Notes
1D	Power Line Corridor	Greenway Trail	8,900	\$1-5K	<ul style="list-style-type: none"> Installation of directional (wayfinding) signage
1B	Eastern Watershed Perimeter	Greenway Trail	5,900	\$175K	<ul style="list-style-type: none"> Significant vegetative clearing and grading to blaze new trail with unpaved (dirt) surface Installation of directional (wayfinding) signage
1G	Northern Fire Road	Greenway Trail	5,100	\$1-5K	<ul style="list-style-type: none"> Installation of directional (wayfinding) signage
2D or 2E	Lots Hollow Road	Bike Route Sidewalk	400	\$1K \$15-20K	<ul style="list-style-type: none"> Installation of directional (Bike Route) and warning (Share the Road) signage Asphalt sidewalk and berm construction Cost will vary based on extent of roadside impacts (i.e. vegetation, utilities)
2D or 2E	Option 1: Finlay Road Lots Hollow Rd. to Nickerson Rd.	Bike Route Sidewalk	1,250	\$1K \$75-80K	<ul style="list-style-type: none"> Installation of directional and warning signage Asphalt sidewalk and berm construction Sidewalk requires retaining wall construction Sidewalk cost will vary based on extent of roadside impacts (i.e. vegetation, utilities)
2D	Option 1: Nickerson Road	Bike Route	1,650	\$1K	<ul style="list-style-type: none"> Installation of directional (Bike Route) and warning (Share the Road) signage

Table 9: Estimated Construction Costs – Alternates (Cont'd)

ALTERNATES (Cont'd)					
Alternative	Trail Segment	Facility Type	Segment Length (Feet)	Estimated Construction Cost	Notes
2E	Option 2: Finlay Road Nickerson Rd. to Kettle Pond Way	Bike Route Sidewalk	975	\$1K \$40-45K	<ul style="list-style-type: none"> • Installation of directional (Bike Route) and warning (Share the Road) signage • Asphalt sidewalk and berm construction • Sidewalk cost varies based on extent of roadside impacts (i.e. vegetation, utilities)
2E	Option 2: Kettle Pond Way to Daley's Terrace to Marston's Way	Bike Route	1,900	\$1K	<ul style="list-style-type: none"> • Installation of directional (Bike Route) and warning (Share the Road) signage