



OPTION 1 - RED

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (\$)	COST (\$)
1	BIKE TRAIL	FT	4,530	\$200	\$906,000
2	RETAINING WALL	FT	3,285	\$40	\$131,400
3	FLOOD PLAIN REMEDIATION	CUFT	43,500	\$10	\$435,000
4	UTILITY RELOCATION	PER	2	\$3,000	\$6,000
SUM OF ITEMS					\$1,478,400
OVERHEAD & PROFIT (15%)					\$221,760
PERMITTING & ENGINEERING (20%)					\$295,680
CONTINGENCY (25%)					\$369,600
TOTAL					\$2,370,000

OPTION 2 - ORANGE

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (\$)	COST (\$)
1	BIKE TRAIL	FT	4,320	\$150	\$648,000
2	RETAINING WALL	FT	220	\$40	\$8,800
3	FLOOD PLAIN REMEDIATION	CUFT	0	\$10	\$0
4	UTILITY RELOCATION	PER	10	\$3,000	\$30,000
SUM OF ITEMS					\$656,800
OVERHEAD & PROFIT (15%)					\$98,520
PERMITTING & ENGINEERING (20%)					\$131,360
CONTINGENCY (25%)					\$164,200
TOTAL					\$1,060,000

ASSUMPTIONS:

- Cost estimate is for the colored sections (Red, Orange) shown in the plan ONLY as an aid to determine the most economical route.
- Unit Base Cost is estimated to be \$150 per foot of 8-ft wide trail for well compacted material along existing roadway or rail bed.
- Unit Base Cost is estimated to be \$200 per foot of 8-ft wide trail along the golf course and/or resource area due to trail base material import/compaction and export of unusable material.
- Flood plain remediation assumes a 12-ft wide and 1-ft deep impact. Cost is an estimate of providing flood storage to mitigate the loss of this storage.
- Estimate does not include a safety fence within the golf course areas (Red) to protect pedestrians from the golf activity. This may be required for public safety.
- Detail on the bridge crossing at the start of the trails is insufficient and therefore the cost associated with this crossing has not been included.
- The contingency is provided for the variability and unforeseen conditions that will arise due to the conceptual nature of this project at this time.

Color Ortho Imagery, MassGIS 2005



**Preliminary Cost Estimate
CRNF Bike Trail
Newton, Wellesley & Weston
Massachusetts**



10/30/07 LG 2116-TRAIL.dwg

Figure 1

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