2. Ballast Installation

Track ballast consists of crushed stone and is used to maintain the horizontal and vertical track alignment, particularly on track with continuous welded rail. Track ballast also transfers live train loads to the subgrade and promotes drainage of the track structure. A typical FRA Class III ballast section consists of a minimum of 6 inches of ballast below the bottom of tie and a 12 inch shoulder from the edge of the ties to a 2:1 slope on either side. General track conditions were inspected, and ballast quantities were estimated as shown below:

SEGMENT	FROM MP	TO MP	TONS OF BALLAST	ESTIMATED COST
BURLINGTON to CHARLOTTE	122	110	9,000	$ 315,000
CHARLOTTE to VERGENNES	110	100	10,000	$ 350,000
VERGENNES to MIDDLEBURY	100	87	13,000	$ 455,000
MIDDLEBURY to RUTLAND	87	55	32,000	$ 1,120,000
RUTLAND to N. BENNINGTON	55	0	70,000	$ 2,450,000
N. BENNINGTON to HOOSICK	170	165	2,000	$ 70,000
TOTALS			**136,000**	**$ 4,760,000**