

2. Bridge Structural Repairs

Bridge structures support the track over various waterways, highways and chasms. They are generally constructed of reinforced concrete, steel, stone, or some combination. Structural repairs are necessary to these bridges when the steel has corrosion or stress failures, or the stonework or concrete work has deteriorated. In general, the bridge's ability to support its designed weight is contingent on good repair of the overall structure.



Bridges are rated based on the capacity to carry loads. A 286K bridge is capable of supporting modern railroad freight cars which weigh up to 286,000 pounds. Bridges on the Middlebury to Rutland segment require this rating. Some of these bridges currently do not meet these requirements.

SEGMENT	FROM MP	TO MP	BRIDGE REPAIRS	ESTIMATED COST
BURLINGTON to CHARLOTTE	122	110	1	\$ 1,000
CHARLOTTE to VERGENNES	110	100	1	\$ 50,000
VERGENNES to MIDDLEBURY	100	87	3	\$ 146,000
MIDDLEBURY to RUTLAND	87	55	12	\$ 1,362,000
RUTLAND to N. BENNINGTON	55	0	20	\$ 504,000
N. BENNINGTON to HOOSICK	170	165	0	\$ 0.00
TOTALS			37	\$ 2,063,000