

# ROUTE 82

## MONTPELIER HOSPITAL HILL

### ROUTE OVERVIEW

Route 82 is a Rural Local route that operates between Downtown Montpelier and Hospital Hill. The route travels primarily along Main Street in Montpelier, Berlin Street, and Paine Turnpike. The route is designed primarily to provide service between Montpelier and Central Vermont Medical Center, the Berlin Mall/Walmart, and Shaw's, plus a number of secondary locations.

On weekdays, Route 82 operates every 60 minutes between 7:16 AM and 6:16 PM. On Saturday, the route operates 60 minutes between 8:16 AM and 6:16 PM.

Route 82 has three total service variants. One (variant 82-1) is used to provide all service except the first and last weekday trips. This variant begins at the Lane Shops north of Downtown Montpelier and skips the Vermont Psychiatric Care Hospital and Blue Cross Blue Shield. Variant 82-2, which operates on the first trip on weekdays, begins its trip at Pioneer Apartments, serves Vermont Psychiatric Care Hospital by request, and stops at Blue Cross Blue Shield by request. Variant 82-3, which operates on the second-to-last weekday round trip, begins at the Lane Shops, skips the Vermont Psychiatric Care Hospital, and serves Blue Cross Blue Shield.

Figure 1: Route Map

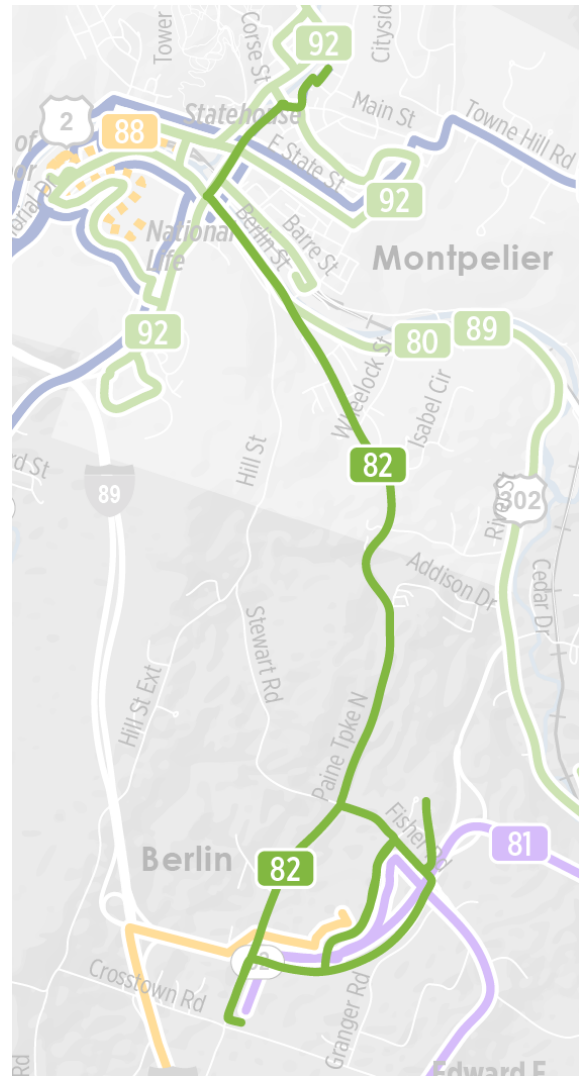


Table 1: Schedule Statistics

SERVICE DAY	SPAN OF SERVICE	FREQUENCY (MIN)	DAILY TRIPS (OUTBOUND/INBOUND)
Monday-Friday	7:16 AM to 6:16 PM	60/60/—	11/11
Saturday	8:16 AM to 6:16 PM	60/—	10/10
Sunday	—	—	—

Note: Peak frequencies are calculated for service between 6:00 am – 9:00 am & 3:00 pm – 6:00 pm. Midday service is from 9:00 am – 3:00 pm. Evening service is for service after 6:00 pm. Saturday and Sunday frequencies are shown as AM/PM.

**Table 2: Service Variants**

VARIANT	ORIGIN	DESTINATION	UNIQUE FEATURE	TRIPS PER DAY		
				WKD	SAT	SUN
<b>OUTBOUND</b>				<b>11</b>	<b>10</b>	<b>X</b>
82-1	Lane Shops	Berlin Shaw's	Skips VT Psychiatric Care Hospital and Blue Cross Blue Shield	9	10	X
82-2	Pioneer Apartments	Berlin Shaw's	Serves by request VT Psychiatric Care Hospital and Blue Cross Blue Shield	1	0	X
82-3	Lane Shops	Berlin Shaw's	Skips Vermont Psychiatric Care Hospital and serves Blue Cross Blue Shield	1	0	X

## RIDERSHIP

On weekdays, Route 82 carries a total of 72 passengers and 6.6 passengers per round trip. On Saturdays, the route carries 54 total passengers and 2.7 passengers per trip.

### Ridership by Stop

#### Weekdays

In Montpelier, the highest ridership stops are Lane Shops at the beginning of the route (11 passengers), Pioneer Apartments (five passengers), and the Montpelier Shaw's (22 passengers) (see Figure 2). On Hospital Hill, there are eight boardings at CVMC, 12 at the Berlin Mall/Walmart, and 4 at Shaw's. On a typical day, there is no ridership to or from the request stops.

#### Saturdays

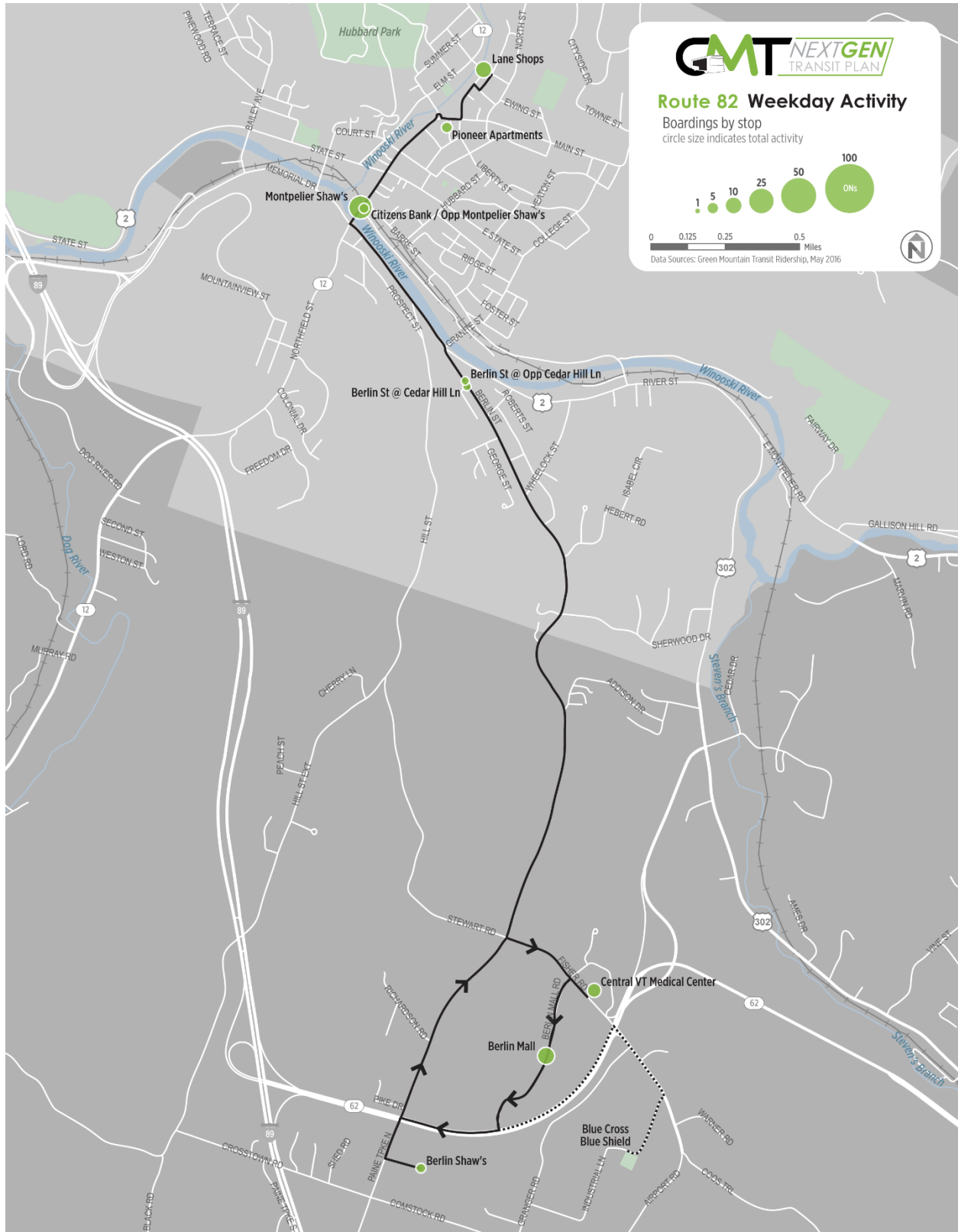
Saturday ridership patterns are similar to weekday ridership patterns, but with proportionally more ridership to the Berlin Mall/Walmart (see Figure 3). In Montpelier, the highest ridership stops are Lane Shops at the beginning of the route (eight passengers), Pioneer Apartments (five passengers), and the Montpelier Shaw's (12 passengers). On Hospital Hill, there are three boardings at CVMC, 15 at the Berlin Mall/Walmart, and two at Shaw's. As on weekdays, there is no ridership to or from the request stops.

### Ridership by Trip

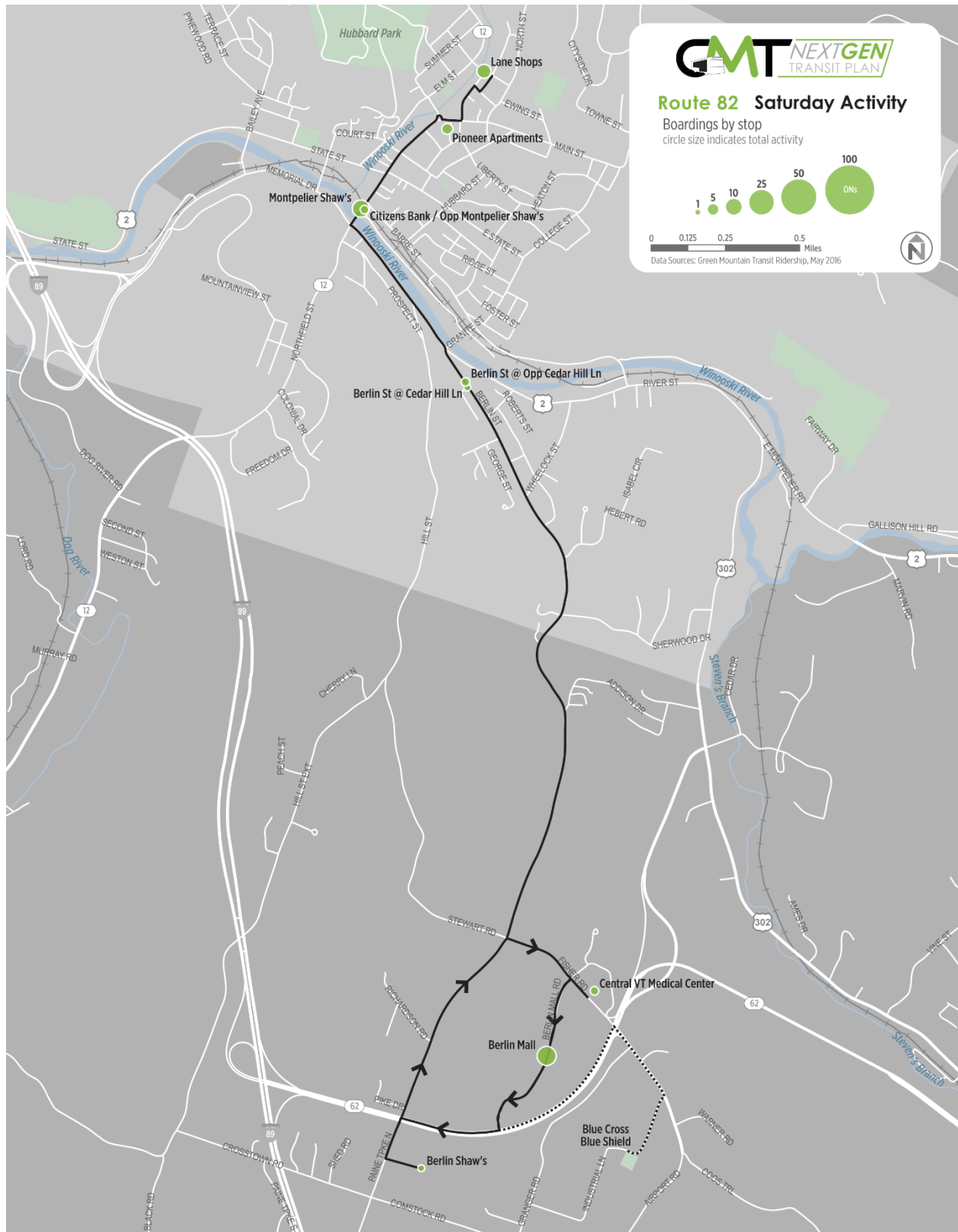
#### Weekdays

On weekdays, Route 82 trips carry between four and eight passengers per round trip, with ridership highest between 9:00 AM and 3:00 PM (see Figure 4).

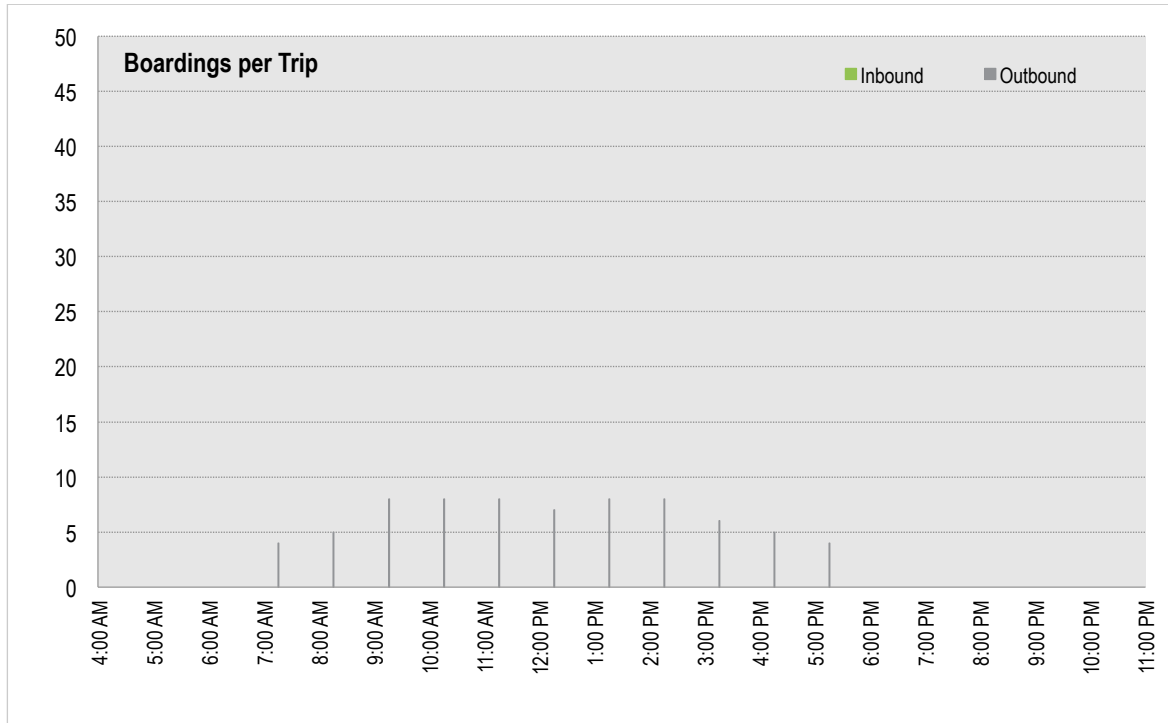
**Figure 2: Weekday Ridership by Stop**



**Figure 3: Saturday Ridership by Stop**



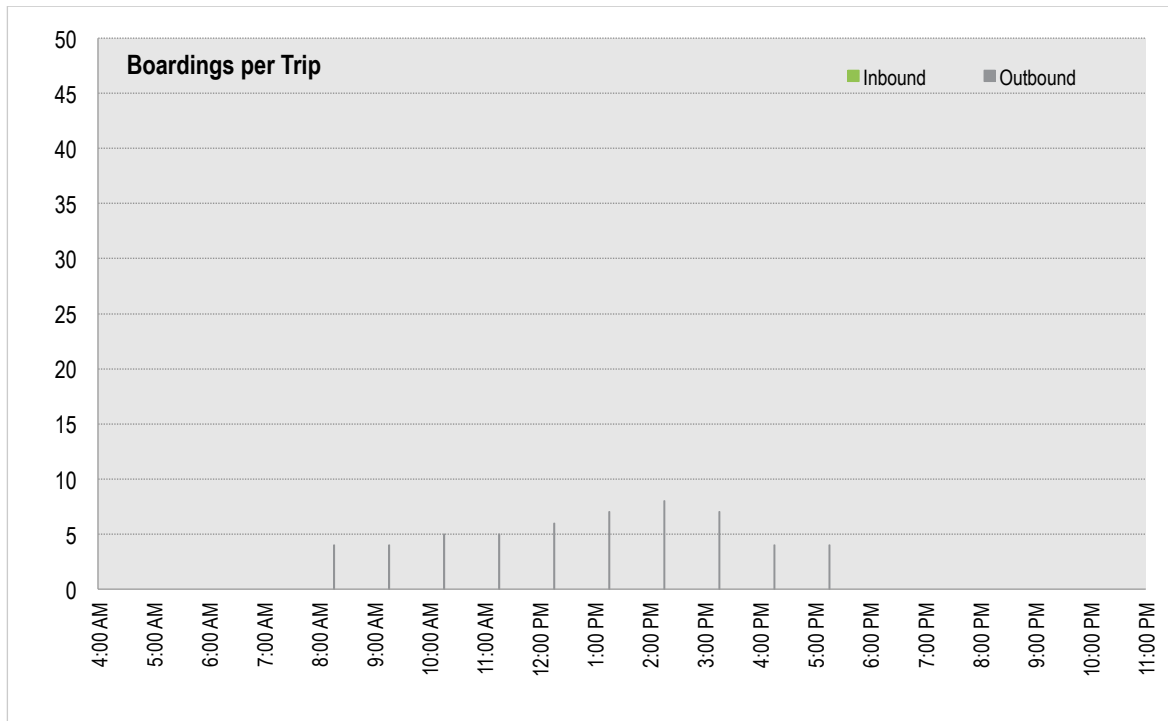
**Figure 4: Weekday Ridership by Trip**



### Saturdays

On Saturdays, ridership per trip ranges from four to eight (see Figure 5).

**Figure 5: Saturday Ridership by Trip**



## SERVICE PRODUCTIVITY

Route 82 ranks 2<sup>nd</sup> out of GMT's five Rural Local routes in terms of weekday ridership and ranks 3<sup>rd</sup> in terms of ridership per revenue hour (see Table 3). On weekdays, the route carries an average of 72 passengers per day, and 6.5 passengers per revenue service hour at a cost of \$11.81 per passenger. On Saturdays, Route 82 carries 54 passengers and 5.4 passengers per revenue hour and a cost of \$13.14 per passenger. Route 82 does not meet VTrans' thresholds for productivity and cost-effectiveness on either weekdays or Saturdays.

**Table 3: Productivity Statistics**

	MONDAY-FRIDAY	SATURDAY
<b>Average Daily Ridership</b>	<b>72</b>	<b>54</b>
<b>Pax/Revenue Service Hour</b>	<b>6.5</b>	<b>5.4</b>
VTrans Productivity Threshold	9.71	9.71
<b>Pax/Round Trip</b>	<b>6.6</b>	<b>5.4</b>
Rural Local Average	3.8	3.6
<b>Pax/Revenue Mile</b>	<b>0.6</b>	<b>0.5</b>
Rural Local Average	0.6	0.6
<b>Cost/Passenger</b>	<b>\$11.81</b>	<b>\$13.14</b>
VTrans Productivity Threshold	\$8.13	\$8.13

Source: Green Mountain Transit, May 2016; VTrans Performance Reviews (2016)

## SERVICE IMPROVEMENT OPTIONS

Opportunities to strengthen Route 82 are listed below. Some suggestions may be contradictory, as there is usually more than one approach to improving a route.

- **Consolidate Route 81 and 82:** Routes 81 and 82 operate largely redundant service in Berlin serving shopping and the Central Vermont Medical Center. Route 82 may be consolidated with Route 81 (in conjunction with improvements to streamline Route 81 as it exists today) to operate a single route through Montpelier, Berlin, and Barre, reaching both shopping and medical destinations.
- **Extend Route 82 to serve additional areas of Montpelier:** Route 82's alignment may be modified within Montpelier to reach more areas, especially in conjunction with efforts to streamline Route 92 Montpelier Circulator.
- **Discontinue deviation to Berlin Shaw's:** This stop is served by request only on most weekdays, generating two riders per weekday and three riders per day on Saturdays, but requires buses to deviate 1.4 miles off of the main alignment.