

Appendix E: Transportation

The District’s busing was compared to industry standards which suggest that a bus route should operate at 80 percent usage rate on average. VBLSD’s routes operate at a significantly lower usage rate.

Baseline Utilization by Tier

Tier	Total Routes	Average Capacity	Total Capacity	Peak Riders	Baseline Utilization
Tier I	11	81.2	893	509	57.0%

In order to develop our recommendation we reviewed the District’s single-tiered routing system to determine how many routes could be eliminated in order to bring the usage rate closer to the industry standard.

Tier I Detailed Review

Tier	Total Routes	Avg. Capacity	Total Capacity	Peak Riders
Tier I	11	81.2	893	509

Tier I Exclusions

Reason for Exclusion	Total Routes	Avg. Capacity	Total Capacity	Peak Riders
Already at Standard	1	84.0	84	72
80th+ Percentile Time	4	82.5	330	159

Tier I Routes Reviewed for Additional Efficiency Opportunity

Tier	Total Routes	Avg. Capacity	Total Capacity	Peak Riders
Tier I	6	79.8	479	278

Tier I Route Elimination Sensitivity Analysis and Impact on Utilization

Routes Eliminated	0	1	2	3
Capacity Eliminated	0.0	79.8	159.6	239.4
Adjusted Total Capacity	479	399	319	239
Adjusted Total Utilization	58.0%	69.7%	87.1%	116.3%

Source: VBLSD and ODE

The results of our analysis are contained in **Recommendation 7**.