Attachment: Victoria Regional Transit System Winter 2017 service Performance Report

Introduction

This report presents the ridership performance review for the Victoria Regional Transit System, at the system and route level, over the period of January 2, 2017 to April 2, 2017 against the performance design guidelines developed through the service review process.

Performance Guidelines

What they are and what they define: Performance Guidelines define numerical thresholds and targets for a particular system and its routes and services.

Why they matter: Working in tandem with Service Design Standards, Performance Guidelines are tools that evaluate existing services, identify trends in performance and, based on this evidence, determine how service and supporting features (fares, marketing, facilities, etc.) should be adjusted to improve the effectiveness and efficiency of the system to optimize resources.

For a service to be efficient and productive, a balance should be achieved between oversupply and overcrowding. A number of measures can establish this equilibrium such as:

- Implement transit priority
- Alter frequency
- Reduce/increase coverage
- Targeted marketing/corridor branding
- Change service span
- Change bus stop spacing
- Bus route changes
- Vehicle type allocation



When performance falls below the set guidelines, recommendations to the Commission will focus on the utilization of the above tools to maximize efficiency.

Performance Measures

Performance measures have been chosen that evaluate the effectiveness of service planning investments on a system and route level.

System level

The measures used for the system guidelines are:

- Average boardings per revenue hour total volume of ridership as compared to the supply of transit service
- Cost per passenger trip average cost to provide service per passenger trip
- Cost recovery financial performance of the transit system usually expressed in terms of total operating revenue/total operating expenses
- **Passengers trips per capita** ratio between transit trips and the population of the service area

Route level

The measures used for the route level guidelines are:

- Average boardings per revenue hour total volume of ridership as compared to the supply of transit service
- Average boardings per trip total number of people that board a vehicle on a specific trip

Route level performance guidelines have been classified into four categories (Rapid Transit, Frequent Transit, Local Transit and Targeted Transit) to acknowledge different performance expectations based on a route's objective.

Performance Targets

Tables 1 and 2 outline the performance targets set for the system and route level. As well as monitoring existing performance against these guidelines, historical trends will also be monitored to determine if the system or routes are becoming more or less efficient over time. Significant variance (+/– 25 per cent) from the target will place a route on an action list for further investigation and will require more detailed analysis. Routes that fall below the 25 per cent variance will be candidates for corrective adjustments, and routes that are above the 25 per cent variance will be candidates for service improvements. BC Transit will report on an annual basis how the system and routes are performing and this will help guide planning decisions.

----- Investigate for corrective action

System Level

The purpose of monitoring system wide performance is to identify trends in system performance, and compare the performance of the transit system with other peer transit systems. These measures are designed to monitor the pulse of the Victoria Regional Transit System as a whole and guide service planning decisions. This can be particularly useful when identifying system wide impacts of major investments in the transit network, such as development of the Rapid and Frequent Transit networks.

Table 1: S	ystem Level	Performance	Guidelines
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System	Measure
Boardings per revenue hour	50
Cost per passenger trip	\$4.50
Cost recovery	30%
Passengers trips per capita	65

Route Level

Analysis on a route-by-route basis gives a detailed indication of how individual components of the transit system are performing. A route-by-route analysis allows observations of the impact of service changes and investments made in the past and identifies future opportunities for strategic investment or re-investment.

Table 2: Route Level Performance Guidelines	5
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Route Type	Boardings per Trip	Boardings per Revenue Hour
Rapid Transit	40	55
Frequent Transit	40	55
Local Transit (High Demand)	25	40
Local Transit (Coverage)	10	20
Targeted Transit	40	60
Community Coverage	-	5

Transit System Performance Results

Chart 1 displays boardings per revenue hour performance for the transit system by service period for the last year.

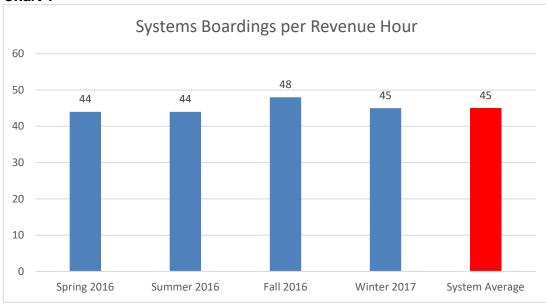
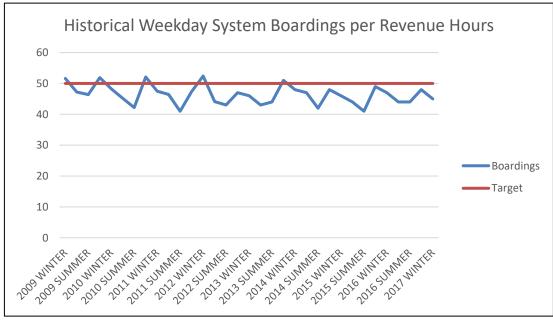


Chart 1

Chart 2 displays the historical boardings per revenue hour performance for the transit system by service period since 2009.





System Performance

The three tables below display average daily system performance by service day for passenger boardings, boardings per trip, and boardings per revenue hour. The tables on the preceding pages display the average daily service performance by route and service day for passenger boardings, boardings per trip, and boardings per revenue hour.

System Level	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target					50
System Total	3,161	1,999.4	94,407	29.9	47.2
Urban Total	2,384	1,415.9	76,158	31.9	53.8
Western Total	489	338.2	11,281	23.1	33.4
Peninsula Total	288	245.3	6,968	24.2	28.4
Suburban Total	777	583.5	18,249	23.5	31.3

Weekday System Performance

Saturday System Performance

System Level	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target					50
System Total	2,182	1,295.0	58,254	26.7	45.0
Urban Total	1,671	943.0	47,278	28.3	50.1
Western Total	329	195.4	6,362	19.3	32.6
Peninsula Total	182	156.5	4,614	25.4	29.5
Suburban Total	511	352.0	10,976	21.5	31.2

Sunday System Performance

System Level	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target					50
System Total	1,617	954.7	41,690	25.8	43.7
Urban Total	1,228	687.8	33,827	27.5	49.2
Western Total	233	139.7	4,413	18.9	31.6
Peninsula Total	156	127.1	3,450	22.1	27.1
Suburban Total	389	266.9	7,863	20.2	29.5

Route Performance Results - Weekday Route Performance

Rapid Transit	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				40.0	55.0
15 - Esquimalt/UVic Ex	178	110.0	7,009	39.4	63.7
16 - Uptown/UVic Ex	77	27.7	1,663	<mark>21.6</mark>	60.0
50 - Langford Exch/Downtown	171	127.6	6,467	37.8	50.7
70 - Swartz Bay/Downtown Express	37	34.0	1,270	34.3	<mark>37.4</mark>

Frequent Transit	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				40.0	55.0
4 - UVic/Downtown	202	100.7	6,408	31.7	63.7
6 - Downtown/Royal Oak	208	106.5	6,983	33.6	65.6
11 - UVic/Tillicum Mall	145	127.6	6,322	43.6	49.6
14 - UVic/Vic General	184	155.6	8,134	44.2	52.3
26 - UVic/Dockyard	105	73.3	5,078	48.4	<mark>69.2</mark>
27 - Gordon Head/Downtown	126	71.2	4,578	36.3	64.3
28 - Majestic/Downtown	123	70.4	4,274	34.7	60.7
30 - Royal Oak Exch/James Bay	85	63.0	3,221	37.9	51.1
31 - Royal Oak Exch/James Bay	86	63.4	3,455	40.2	54.5

Local Transit - High Demand	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				25.0	40.0
2 - Oak Bay/Willows - Downtown	124	46.8	2,151	<mark>17.3</mark>	46.0
3 - Gonzales/Beacon Hill	73	41.4	1,645	22.5	39.7
7 - UVic/Downtown	121	58.8	3,165	26.2	<mark>53.8</mark>
8 - Interurban/Oak Bay	56	40.5	1,539	27.5	38.0
21 - Interurban/Downtown	91	48.0	2,332	25.6	48.6
22 - Vic General/Hillside Mall	73	57.8	2,007	27.5	34.8
24 - Admirals Walk/Cedar Hill	39	24.7	883	22.6	35.8
25 - Admirals Walk/Maplewood	37	30.8	985	26.6	32.0
39 - Royal Roads/UVic	62	46.6	2,293	<mark>37.0</mark>	49.2
61 - Sooke/Downtown	63	56.4	1,674	26.6	<mark>29.7</mark>
72 - Swartz Bay/Downtown via Fifth	79	89.8	2,844	<mark>36.0</mark>	31.7
75 - Saanichton/Royal Oak/Downtown	74	60.7	1,658	22.4	<mark>27.3</mark>

Local Transit - Coverage	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				10.0	20.0
1 - Richardson/Downtown	11	3.2	<mark>60</mark>	<mark>5.5</mark>	18.6
10 - Jubilee/Songhees	78	19.6	<mark>486</mark>	<mark>6.2</mark>	24.8
12 - University Heights/UVic	41	10.4	783	<mark>19.1</mark>	<mark>75.2</mark>
13 - UVic/10 Mile Point	6	0.7	<mark>25</mark>	<mark>4.2</mark>	<mark>35.7</mark>
32 - Cordova Bay	31	10.4	<mark>315</mark>	10.2	<mark>30.4</mark>
35 - Ridge	18	5.1	<mark>200</mark>	11.1	<mark>39.2</mark>
52 - W Speedway/Bear Mtn/Colwood Ex	76	56.0	<mark>1,200</mark>	<mark>15.8</mark>	21.4
53 - Colwood/Langford via Atkins	24	8.6	<mark>140</mark>	<mark>5.8</mark>	16.3
54 - Metchosin	10	10.8	<mark>90</mark>	9.0	<mark>8.3</mark>
55 - Happy Valley	7	7.4	<mark>75</mark>	10.7	<mark>10.1</mark>
56- Thetis Heights / Langford Exch	31	9.1	<mark>145</mark>	<mark>4.7</mark>	15.9
57 - Thetis Heights/Westhills	34	12.5	<mark>140</mark>	<mark>4.1</mark>	<mark>11.2</mark>
58 - Goldstream Meadows	16	6.0	<mark>120</mark>	7.5	19.9
59 - Triangle Mountain	13	7.2	<mark>300</mark>	<mark>23.1</mark>	<mark>41.6</mark>
60 - Wishart	11	6.2	<mark>200</mark>	<mark>18.2</mark>	<mark>32.3</mark>
63 - Otter Point	4	2.3	<mark>25</mark>	<mark>6.3</mark>	<mark>10.7</mark>
64 - East Sooke	8	9.0	<mark>55</mark>	<mark>6.9</mark>	<mark>6.1</mark>

---- Investigate for corrective action ---- Limited Samples

Local Transit – Coverage	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				10.0	20.0
81 - Swartz Bay/Brentwood	33	22.6	<mark>300</mark>	9.1	<mark>13.3</mark>
83 - Sidney/Royal Oak	16	15.2	<mark>240</mark>	<mark>15.0</mark>	15.8
85 - North Saanich	8	5.9	<mark>75</mark>	9.4	<mark>12.8</mark>
88 - Sidney/Airport	32	8.5	<mark>120</mark>	<mark>3.8</mark>	<mark>14.1</mark>

Targeted Routes	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				40.0	60.0
17 - Cedar Hill	2	1.2	90	45.0	75.0
19 - Hillside Mall	2	0.9	74	37.0	<mark>79.3</mark>
47- Goldstream Meadows/Downtown	4	5.2	143	35.8	<mark>27.5</mark>
48 - Happy Valley/Downtown	4	4.8	131	32.8	<mark>27.1</mark>
51 - Langford Exch/UVic	13	9.1	376	<mark>28.9</mark>	<mark>41.3</mark>
71 - Swartz Bay/Downtown via W Sidney	7	7.2	266	38.0	<mark>36.9</mark>
76 - Swartz Bay/UVic	2	1.5	195	<mark>97.5</mark>	<mark>130.0</mark>



----- Investigate for corrective action ----- Investigate for service improvements

Route Performance Results - Saturday Route Performance

Rapid Transit	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				40.0	55.0
15 - Esquimalt/UVic Ex	136	80.3	4,177	30.7	52.0
16 - Uptown/UVic	-	-	-	-	-
50 - Langford Exch/Downtown	129	87.9	4,579	35.5	52.1
70 - Swartz Bay/Downtown Express	26	24.1	923	35.5	<mark>38.4</mark>

Frequent Transit	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				40.0	55.0
4 - UVic/Downtown	129	60.0	3,567	<mark>27.7</mark>	59.5
6 - Downtown/Royal Oak	165	74.4	4,639	<mark>28.1</mark>	62.4
11 - UVic/Tillicum Mall	121	101.1	4,550	37.6	45.0
14 - UVic/Vic Gen	137	105.6	5,188	37.9	49.1
26 - UVic/Dockyard	129	82.0	4,561	35.4	55.6
27 - Gordon Head/Downtown	88	51.8	3,481	39.6	67.2
28 - Majestic/Downtown	88	49.7	3,570	40.6	<mark>71.8</mark>
30 - Royal Oak Exch/James Bay	73	49.1	2,739	37.5	55.8
31 - Royal Oak Exch/James Bay	75	47.2	2,715	36.2	57.6

Local Transit - High Demand	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				25.0	40.0
2 - Oak Bay/Willows - Downtown	85	30.6	1,503	<mark>17.7</mark>	49.1
3 - Gonzales/Beacon Hill	38	19.9	806	21.2	40.6
7 - UVic/Downtown	86	41.1	1,519	<mark>17.7</mark>	37.0
8 - Interurban/Oak Bay	24	16.8	510	21.3	30.4
21 - Interurban/Downtown	28	12.0	472	<mark>16.9</mark>	39.4
22 - Vic General/Hillside Mall	64	44.9	1,562	24.4	34.8
24 - Admirals Walk/Cedar Hill	32	19.9	438	<mark>13.7</mark>	<mark>22.0</mark>
25 - Admirals Walk/Maplewood	33	22.2	601	<mark>18.2</mark>	<mark>27.1</mark>
39 - Royal Roads/UVic	16	5.1	195	<mark>12.2</mark>	38.5
61 - Sooke/Downtown	37	21.8	703	19.0	32.2
72 - Swartz Bay/Downtown via Fifth	69	78.3	2,446	<mark>35.4</mark>	31.2
75 - Saanichton/Royal Oak/Downtown	37	31.1	775	20.9	<mark>24.9</mark>

Local Transit - Coverage	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				10.0	20.0
1 - Richardson/Downtown	-	-	-	-	-
10 - Jubilee/Songhees	78	19.1	<mark>180</mark>	<mark>2.3</mark>	<mark>9.4</mark>
12 - University Heights/UVic	20	4.7	<mark>160</mark>	8.0	<mark>34.3</mark>
13 - UVic/10 Mile Point	6	0.7	5	<mark>0.8</mark>	<mark>7.1</mark>
32 - Cordova Bay	20	5.0	<mark>140</mark>	<mark>7.0</mark>	<mark>28.0</mark>
35 - Ridge	-	-	-	-	-
52 - W Speedway/Bear Mtn/Colwood Ex	54	40.6	<mark>490</mark>	9.1	<mark>12.1</mark>
53 - Colwood / Langford via Atkins	15	5.8	<mark>30</mark>	<mark>2.0</mark>	<mark>5.2</mark>
54 - Metchosin	7	7.6	<mark>130</mark>	<mark>18.6</mark>	17.1
55 - Happy Valley	-	-	-	-	-
56- Thetis Heights / Langford via Florence Lake	28	8.1	<mark>30</mark>	<mark>1.1</mark>	<mark>3.7</mark>
57 - Thetis Heights/Westhills	27	10.3	<mark>45</mark>	<mark>1.7</mark>	<mark>4.4</mark>
58 - Goldstream Meadows	16	5.8	<mark>200</mark>	12.5	<mark>34.7</mark>
59 - Triangle Mountain	9	4.3	<mark>110</mark>	12.2	<mark>25.6</mark>
60 - Wishart	7	3.4	<mark>45</mark>	<mark>6.4</mark>	<mark>13.4</mark>
63 - Otter Point	-	-	-	-	-
64 - East Sooke	-	-	-	-	-

----- Investigate for corrective action ----- Limited Samples

Local Transit - Coverage	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				10.0	20.0
81 - Swartz Bay/Brentwood	14	11.5	<mark>175.0</mark>	12.5	15.2
83 - Sidney/Royal Oak	8	4.8	<mark>45</mark>	<mark>5.6</mark>	<mark>9.4</mark>
85 - North Saanich	-	-	-	-	-
88 - Sidney/Airport	28	6.8	<mark>250</mark>	8.9	<mark>36.9</mark>

Targeted Routes	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				40.0	60.0
17 - Cedar Hill	0	-	-	-	-
19 - Hillside Mall	0	-	-	-	-
47 - Goldstream Meadows/Downtown	0	-	-	-	-
48 - Happy Valley/Downtown	0	-	-	-	-
51 - Langford Exch/UVic	0	-	-	-	-
71 - Swartz Bay/Downtown via W Sidney	0	-	-	-	-
76 – Swartz Bay/Uvic	0	-	-	-	-

------ Investigate for corrective action ------ Limited Samples

Route Performance Results - Sunday Route Performance

Rapid Transit	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				40.0	55.0
15 - Esquimalt/UVic Ex	117	68.2	3,195	<mark>27.3</mark>	46.8
16 - Uptown/UVic Ex	-	-	-	-	-
50 - Langford Exch/Downtown	104	67.5	3,380	32.5	50.1
70 - Swartz Bay/Downtown Express	23	20.4	1,000	43.5	49.1

Frequent Transit	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				40.0	55.0
4 - UVic/Downtown	88	40.8	2,294	<mark>26.1</mark>	56.2
6 - Downtown/Royal Oak	124	57.2	3,381	<mark>27.3</mark>	59.1
11 - UVic/Tillicum Mall	77	63.8	3,018	39.2	47.3
14 - UVic/Vic Gen	102	78.5	3,954	38.8	50.4
26 - UVic/Dockyard	87	52.9	3,467	39.9	65.5
27 - Gordon Head/Downtown	66	42.8	2,762	41.8	64.5
28 - Majestic/Downtown	66	42.3	2,614	39.6	61.9
30 - Royal Oak Exch/James Bay	56	36.2	1,624	<mark>29.0</mark>	44.8
31 - Royal Oak Exch/James Bay	57	35.0	1,862	32.7	53.3

Local Transit - High Demand	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				25.0	40.0
2 - Oak Bay/Willows - Downtown	65	22.5	966	<mark>14.9</mark>	42.9
3 - Gonzales/Beacon Hill	34	16.9	529	<mark>15.6</mark>	31.2
7 - UVic/Downtown	65	29.2	1,050	<mark>16.2</mark>	36.0
8 - Interurban/Oak Bay	18	9.8	342	19.0	35.0
21 - Interurban/Downtown	26	11.2	417	<mark>16.0</mark>	37.2
22 - Vic General/Hillside Mall	48	31.5	1,209	25.2	38.4
24 - Admirals Walk/Cedar Hill	21	12.3	269	<mark>12.8</mark>	<mark>22.0</mark>
25 - Admirals Walk/Maplewood	20	14.0	324	<mark>16.2</mark>	<mark>23.2</mark>
39 - Royal Roads/UVic	15	4.8	215	<mark>14.3</mark>	45.3
61 - Sooke/Downtown	24	14.9	471	19.6	31.6
72 - Swartz Bay/Downtown via Fifth	53	60.1	1,728	<mark>32.6</mark>	<mark>28.7</mark>
75 - Saanichton/Royal Oak/Downtown	33	23.4	526	<mark>15.9</mark>	<mark>22.5</mark>

Local Transit – Coverage	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				10.0	20.0
1 - Richardson/Downtown	-	-	-	-	-
10 - Jubilee/Songhees	37	9.0	<mark>105</mark>	<mark>2.8</mark>	<mark>11.7</mark>
12 - University Heights/UVic	23	5.4	<mark>175</mark>	7.6	<mark>32.5</mark>
13 - UVic/10 Mile Point	-	-	-	-	-
32 - Cordova Bay	16	3.7	<mark>55</mark>	<mark>3.4</mark>	<mark>14.7</mark>
35 - Ridge	-	-	-	-	-
52 - W Speedway/Bear Mtn/Colwood Ex	31	25.5	<mark>252</mark>	8.1	<mark>9.9</mark>
53 - Colwood / Langford via Atkins	12	4.3	<mark>45</mark>	<mark>3.8</mark>	<mark>10.5</mark>
54 - Metchosin	7	6.9	<mark>55</mark>	7.9	<mark>8.0</mark>
55 - Happy Valley	-	-	-	-	-
56- Thetis Heights / Langford via Florence Lake	15	4.1	<mark>35</mark>	<mark>2.3</mark>	<mark>8.5</mark>
57 - Millstream/Westhills	15	5.5	<mark>35</mark>	<mark>2.3</mark>	<mark>6.4</mark>
58 - Goldstream Meadows	8	2.9	55	<mark>6.9</mark>	<mark>18.8</mark>
59 - Triangle Mountain	10	4.8	<mark>50</mark>	<mark>5.0</mark>	<mark>10.4</mark>
60 - Wishart	7	3.4	<mark>35</mark>	<mark>5.0</mark>	<mark>10.3</mark>
63 - Otter Point	-	-	-	-	-
64 - East Sooke	-	-	-	-	-

----- Investigate for corrective action ----- Limited Samples

Local Transit – Coverage	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				10.0	20.0
81 - Swartz Bay/Brentwood	14	12.0	<mark>40</mark>	<mark>2.9</mark>	<mark>3.3</mark>
83 - Sidney/Royal Oak	6	3.5	<mark>50</mark>	8.3	<mark>14.5</mark>
85 - North Saanich					
88 - Sidney/Airport	24	5.8	<mark>50</mark>	<mark>2.1</mark>	<mark>8.6</mark>

Targeted Routes	Trips Operated	Revenue Hours	Passenger Boardings	Boardings per Trip	Boardings per Revenue Hr
Target				40.0	60.0
17 - Cedar Hill	-	-	-	-	-
19 - Hillside Mall	-	-	-	-	-
47 - Goldstream Meadows/Downtown	-	-	-	-	-
48 - Happy Valley/Downtown	-	-	-	-	-
51 - Langford Exch/UVic	-	-	-	-	-
71 - Swartz Bay/Downtown via W Sidney	-	-	-	-	-
76 - Swartz Bay/UVic	-	-	-	-	-

----- Investigate for corrective action ----- Limited Samples

APPENDIX

KEY ASSUMPTIONS

Data

Ridership information used was collected from the Fall of 2016 through automated passenger counters which are in place on more than 140 of the buses assigned to the Victoria Region's conventional fleet. This system counts the number of persons boarding and disembarking from a vehicle. A person may board more than one bus to complete a single trip when transfers are involved.

External Factors

In addition to service changes, there are a number of external factors that may affect transit ridership. Some of these include fare increases, changing fuel prices, changing macro- economics and changes in land use.

GLOSSARY

Boardings

Number of times passengers board public transportation vehicles. Passengers are counted each time they board vehicles no matter how many vehicles they use to travel from their origin to their destination and regardless of whether they pay a fare, use a pass or transfer, ride for free, or pay in some other way. Also called unlinked passenger trips.

Peak Hours

Refers to weekday a.m. and p.m. service during commute hours to carry a maximum number of passengers. An example of commute or peak hours could be defined as time between 6:00 a.m. and 9:00 a.m., and between 3:00 p.m. and 6:00 p.m..

Revenue Service

Time when a vehicle is available to the general public and there is an expectation of carrying passengers. These passengers either directly pay fares, are subsidized by public programs, or provide payment through some contractual arrangement. Revenue service includes layover and recovery time. Revenue service excludes deadheading.