

2013 LRT PASSENGER COUNT REPORT

Capital Line - Northbound and Southbound

Prepared by: Transportation Planning Policy Implementation and Evaluation Strategic Monitoring and Analysis January 2014

2013 LRT RIDERSHIP

The Transportation Planning, Strategic Monitoring and Analysis Section conducted the 2013 Fall LRT Passenger Count over a three week period in October 2013. The purpose of the count was to determine the LRT boardings and alightings on light rail cars for a typical fall day. ETS started light rail service in 1978. Today, ETS has 94 light-rail vehicles (LRV) and operates the Capital Line connecting 15 stations with 314 weekday trips.

The 2013 LRT Passenger Count counts passengers at every LRV door for each train from the beginning of service to the end of service. This train level methodology provided the data for all information provided herein. Information produced from train based data is proving to be more accurate by reducing counting errors while staging the data for simplier data analysis.

This summary provides information on boardings and alightings as well as train travel times. The data is presented by station, by direction, by time period and by run. Detailed data is provided in several supplementary reports attached to this report such as the: Detailed Train List, Passenger Volume by Time Period, Passenger Volume by Rolling One Hour Period, and LRT Travel Times.

2013 KEY FINDINGS

In 2013, the maximum load point of the Capital Line Southbound is the link between Stadium and Churchill stations. The LRT carried **15,070** southbound passengers and **16,050** northbound passengers in this link during the day.

For the Capital Line Northbound, the maximum load point is the link between McKernan/Belgravia and Health Sciences stations. The LRT carried **23,750** southbound passengers and **22,750** northbound passengers in this link during the day.

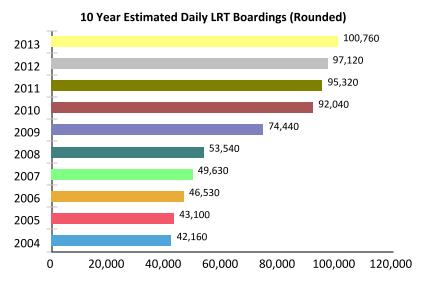
LRT boardings have grown to an estimated **100,760** passengers in 2013.

This is an increase of **3,640** passengers from 2012 and an annual growth rate of **3.7%**.

Over the past ten years LRT boardings have grown by **132.5%**.

AM Peak Hour boardings increased by **1.6%** to **13,300**.

PM Peak Hour boardings increased by **21.1%** to **13,960**.



CAPITAL LINE - Figures, Charts and Tables for 2013

TYPE	DOCUMENT	PAGE
	LRT PASSENGER COUNT SUMMARY	
Figure: 1	2013 LRT Passenger Count Summary - Weekday Service	4
Figure: 2	2013 LRT Passenger Count Summary - A.M. Peak Hour	5
Figure: 3	2013 LRT Passenger Count Summary - P.M. Peak Hour	6
	BOARDING AND ALIGHTING	
Chart: 1	2013 Boardings and Alightings by Station	7
Table: 1	2013 Boardings and Alightings by Station	7
Chart: 2	2013 Boardings and Alightings - Southbound (Clareview to Century Park)	8
Table: 2	2013 Boardings and Alightings - Southbound (Clareview to Century Park)	8
Chart: 3	2013 Boardings and Alightings - Northbound (Century Park to Clareview)	9
Table: 3	2013 Boardings and Alightings - Northbound (Century Park to Clareview)	9
Table: 4	2013 vs. 2012 Boardings and Alightings by Direction - Ordered by Percent Change	
Table: 5	2013 vs. 2012 Boardings and Alightings by Run - Ordered by Percent Of Total	
	TIME OF DAY DISTRIBUTION	
Chart: 4	2013 Time of Day Distribution of Station Activity - 60 Minutes Interval	10
Chart: 5	2013 Time of Day Distribution of Station Activity - 30 Minutes Interval	10
Chart: 6	2013 vs. 2012 Time of Day Distribution of Station Activity - 60 Minutes Interval	11
Chart: 7	2013 vs. 2012 Time of Day Distribution of Station Activity - 30 Minutes Interval	11
	MAXIMUN LOAD POINT	
Table: 6	2013 vs. 2012 Maximum Load Point Activity - A.M Peak Hour	14
Table: 7	2013 vs. 2012 Maximum Load Point Activity - P.M Peak Hour	14
	AVERAGE PASSENGERS PER LRV	
Chart: 8	2013 Average Passenger per LRV - Stadium Station Departing Southbound - A.M. Peak Hour	15
Chart: 9	2013 Average Passenger per LRV - McKernan/Belgravia Station Departing Northbound - A.M. Peak Hour	15
Chart: 10	2013 Average Passenger per LRV - Health Science/Jubilee Station Departing Southbound - P.M. Peak Hour	16
Chart: 11	2013 Average Passenger per LRV - Chruchill Station Departing Northbound - P.M. Peak Hour	16
	CAPITAL LINE - Supplementary Reports for 2013	

ТҮРЕ		DOCUMENT
Report: 1	2013 Detailed Train List	
Report: 2	2013 Passenger Volumes by Time Periods	
Report: 3	2013 LRT Travel Times (Under Construction)	

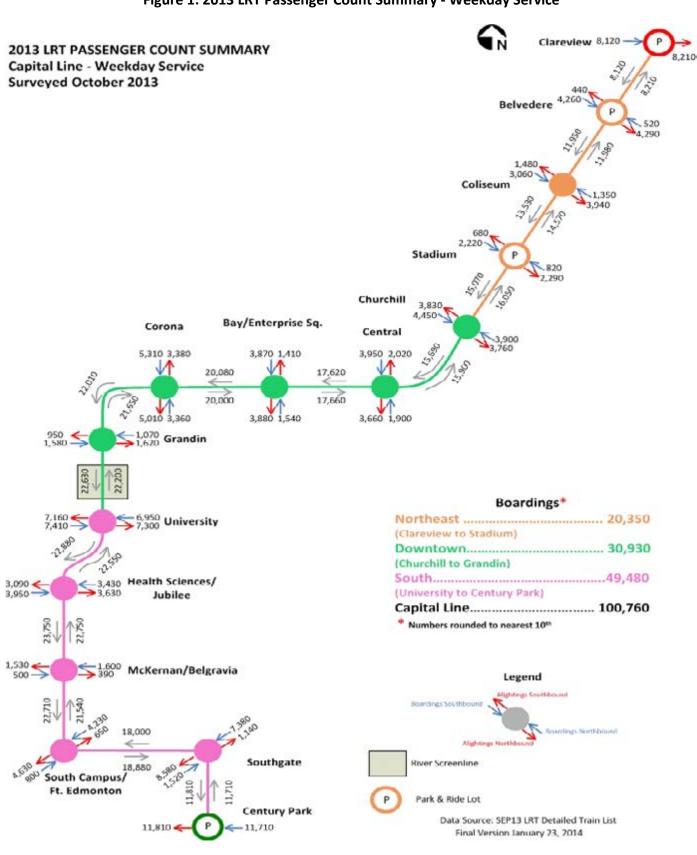


Figure 1: 2013 LRT Passenger Count Summary - Weekday Service

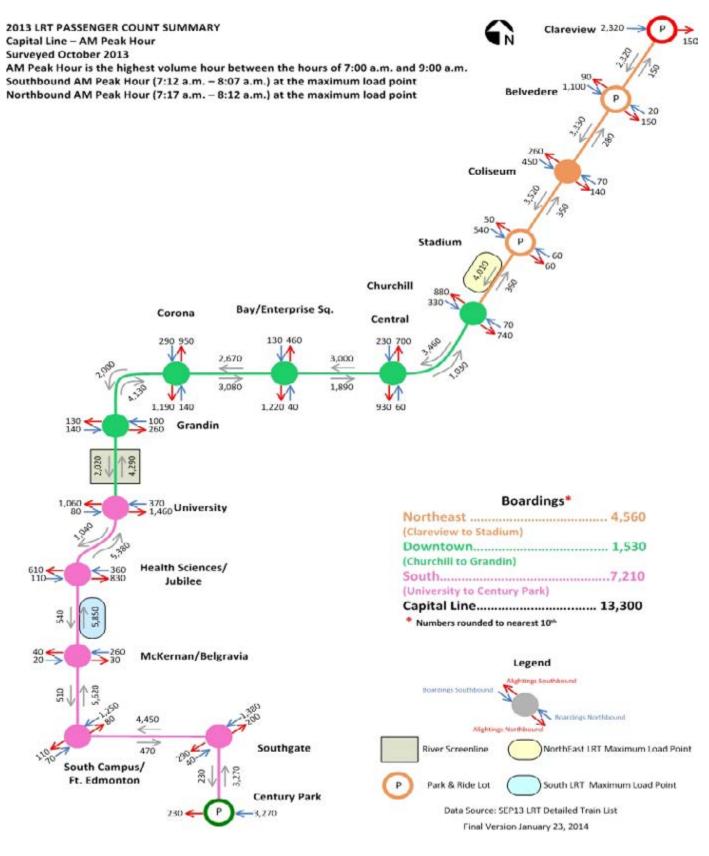


Figure 2: 2013 LRT Passenger Count Summary - A.M. Peak Hour

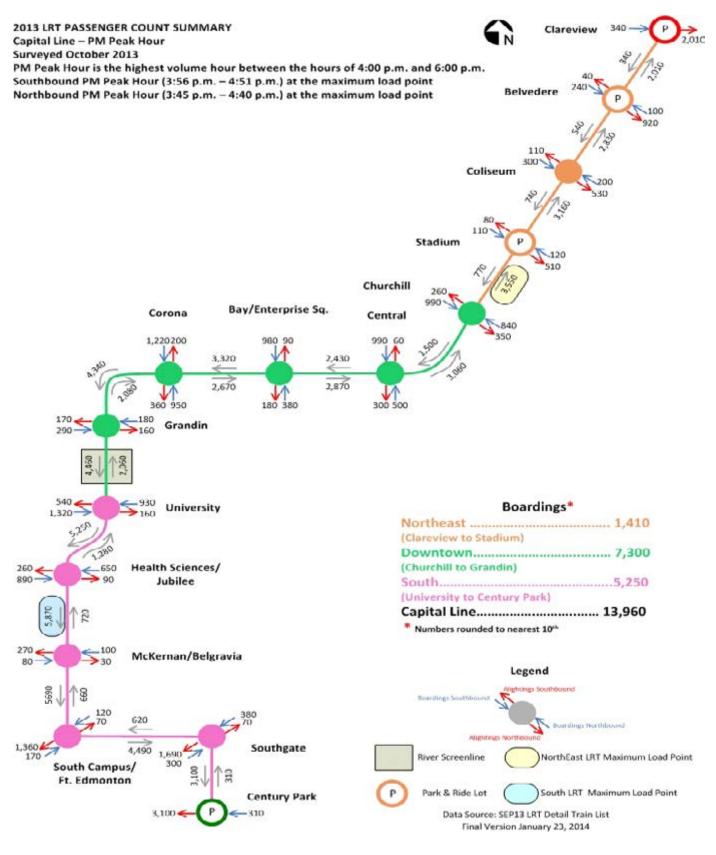


Figure 3: 2013 LRT Passenger Count Summary - P.M. Peak Hour

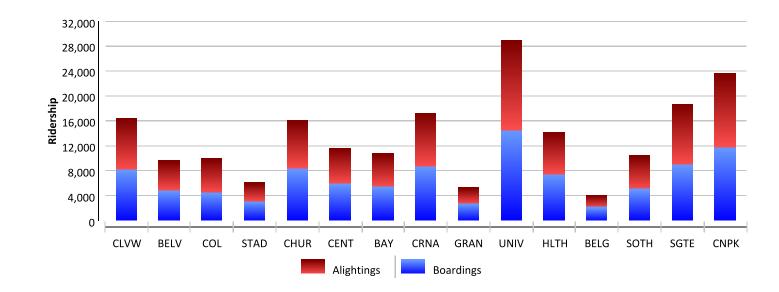


Chart 1: 2013 Boardings and Alightings by Station

LRT Station	Boardings	Alightings	Station Total	% of Total
CLVW	8,121	8,211	16,332	8.1%
BELV	4,782	4,730	9,512	4.7%
COL	4,411	5,423	9,834	4.9%
STAD	3,037	2,974	6,011	3.0%
CHUR	8,351	7,584	15,935	7.9%
CENT	5,850	5,676	11,526	5.7%
BAY	5,409	5,292	10,701	5.3%
CRNA	8,672	8,387	17,059	8.5%
GRAN	2,651	2,573	5,224	2.6%
UNIV	14,358	14,466	28,824	14.3%
HLTH	7,387	6,720	14,107	7.0%
BELG	2,094	1,921	4,015	2.0%
SOTH	5,033	5,281	10,314	5.1%
SGTE	8,895	9,718	18,613	9.2%
CNPK	11,712	11,807	23,519	11.7%
Total>	100,763	100,763	201,526	100%

Table 1: 2013 Boardings and Alightings by Station

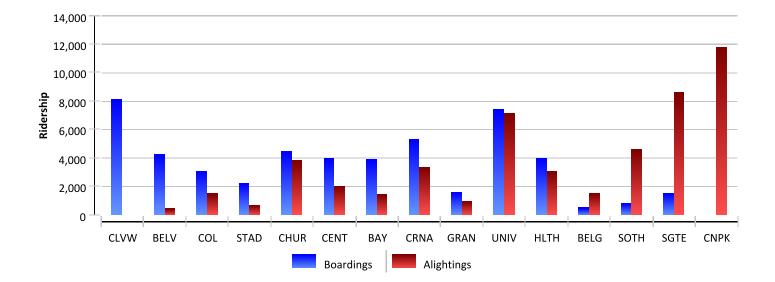


Chart 2: 2013 Boardings and Alightings - Southbound (Clareview to Century Park)

Table 2: 2013 Boardings and Alightings - Southbound(Clareview to Century Park)

LRT Station	Boardings	Alightings	Station Total	% of Total
CLVW	8,121	0	8121	8.0%
BELV	4,263	438	4701	4.6%
COL	3,064	1,483	4547	4.5%
STAD	2,218	680	2898	2.8%
CHUR	4,447	3,827	8274	8.1%
CENT	3,950	2,020	5970	5.9%
BAY	3,872	1,411	5283	5.2%
CRNA	5,308	3,375	8683	8.5%
GRAN	1,577	952	2529	2.5%
UNIV	7,411	7,164	14575	14.3%
HLTH	3,954	3,086	7040	6.9%
BELG	496	1,533	2029	2.0%
SOTH	800	4,633	5433	5.3%
SGTE	1,517	8,583	10100	9.9%
CNPK	0	11,807	11807	11.6%
Total>	50,998	50,992	101,990	100%

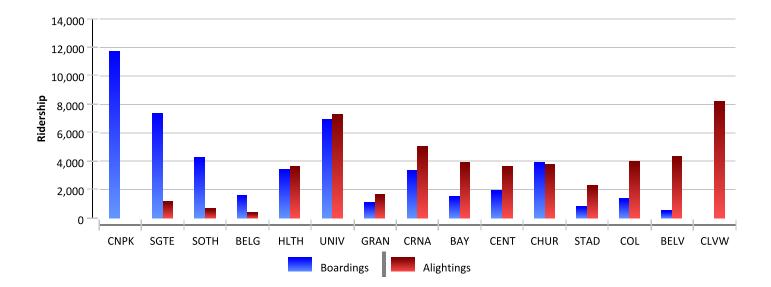


Chart 3: 2013 Boardings and Alightings - Northbound (Century Park to Clareview)

Table 3: 2013 Boardings and Alightings - Northbound (Century Park to Clareview)

LRT Station	Boardings	Alightings	Station Total	% of Total
CNPK	11,712	0	11,712	11.8%
SGTE	7,378	1,135	8,513	8.6%
SOTH	4,233	648	4,881	4.9%
BELG	1,598	388	1,986	2.0%
HLTH	3,433	3,634	7,067	7.1%
UNIV	6,947	7,302	14,249	14.3%
GRAN	1,074	1,621	2,695	2.7%
CRNA	3,364	5,012	8,376	8.4%
BAY	1,537	3,881	5,418	5.4%
CENT	1,900	3,656	5,556	5.6%
CHUR	3,904	3,757	7,661	7.7%
STAD	819	2,294	3,113	3.1%
COL	1,347	3,940	5,287	5.3%
BELV	519	4,292	4,811	4.8%
CLVW	0	8,211	8,211	8.2%
Total>	49,765	49,771	99,536	100%

Table 4: 2013 vs. 2012 Boardings and Alightings by Direction - Ordered by Percent Change

		BOARDINGS	5	
LRT Station	2013 Boardings			% Change
BAY	5,409	4,702	707	15.0%
HLTH	7,387	6,706	681	10.2%
CNPK	11,712	10,767	945	8.8%
CHUR	8,351	7,773	578	7.4%
SGTE	8,895	8,328	567	6.8%
SOTH	5,033	4,813	220	4.6%
CRNA	8,672	8,386	286	3.4%
CENT	5,850	5,719	131	2.3%
STAD	3,037	3,000	37	1.2%
BELG	2,094	2,085	9	0.4%
BELV	4,782	4,772	10	0.2%
UNIV	14,358	14,352	6	0.0%
CLVW	8,121	8,215	(94)	(1.1)%
COL	4,411	4,638	(227)	(4.9)%
GRAN	2,651	2,815	(164)	(5.8)%
Total>	100,763	97,071	3,692	3.8%

ALIGHTINGS							
LRT Station	2013 Alightings	2012 Alightings	Difference	% Change			
SOTH	5,281	4,492	789	17.6%			
COL	5,423	4,734	689	14.6%			
CNPK	11,807	10,527	1,280	12.2%			
SGTE	9,718	8,803	915	10.4%			
BAY	5,292	4,872	420	8.6%			
HLTH	6,720	6,466	254	3.9%			
CRNA	8,387	8,177	210	2.6%			
STAD	2,974	2,918	56	1.9%			
BELG	1,921	1,905	16	0.8%			
CLVW	8,211	8,205	6	0.1%			
CHUR	7,584	7,621	(37)	(0.5)%			
BELV	4,730	4,781	(51)	(1.1)%			
CENT	5,676	5,801	(125)	(2.2)%			
GRAN	2,573	2,664	(91)	(3.4)%			
UNIV	14,466	15,105	(639)	(4.2)%			
Total>	100,763	97,071	3,692	3.8%			

501059,5979,59719,1949.5%501168,8408,84017,6808.8%501118,6308,63017,2608.6%501078,5328,53217,0648.5%501148,3958,39516,7908.3%501138,1228,12216,2448.1%501157,8137,81315,6267.8%501097,6247,62415,2487.6%501173,1393,1396,2783.1%501213,1033,1036,2063.1%501202,6042,6045,2082.6%501022,0132,0134,0262.0%501231,9641,9643,9281.9%501031,8491,8493,6981.8%501081,8071,8073,6141.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501241,6221,6223,2441.6%501241,6341,3432,6861.3%		Boarding	gs and Alightings	by Run (Sorted)	
501168,8408,84017,6808.8%501118,6308,63017,2608.6%501078,5328,53217,0648.5%501148,3958,39516,7908.3%501138,1228,12216,2448.1%501157,8137,81315,6267.8%501097,6247,62415,2487.6%501173,1393,1396,2783.1%501213,1033,1036,2063.1%501202,6042,6045,2082.6%501022,0132,0134,0262.0%501231,9641,9643,9281.9%501241,9251,9253,8501.9%501031,8491,8493,6981.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501241,6221,6223,2441.6%501241,6341,5733,1461.6%501241,6341,3432,6861.3%	Run	Boardings	Alightings	Total	% of Total
501118,6308,63017,2608.6%501078,5328,53217,0648.5%501148,3958,39516,7908.3%501138,1228,12216,2448.1%501157,8137,81315,6267.8%501097,6247,62415,2487.6%501173,1393,1396,2783.1%501213,1033,1036,2063.1%501202,6642,6865,3722.7%501022,0132,0134,0262.0%501231,9641,9643,9281.9%501031,8491,8493,6981.8%501031,8491,8673,5141.8%501041,6591,6593,3181.6%501181,6341,6343,2681.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50105	9,597	9,597	19,194	9.5%
501078,5328,53217,0648.5%501148,3958,39516,7908.3%501138,1228,12216,2448.1%501157,8137,81315,6267.8%501097,6247,62415,2487.6%501173,1393,1396,2783.1%501213,1033,1036,2063.1%501202,6642,6645,2082.6%501102,3432,3434,6862.3%501222,0132,0134,0262.0%501231,9641,9643,9281.9%501031,8491,8493,6981.8%501031,8491,8673,6141.8%501041,6591,6593,3181.6%501121,6221,6223,2441.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50116	8,840	8,840	17,680	8.8%
501148,3958,39516,7908.3%501138,1228,12216,2448.1%501157,8137,81315,6267.8%501097,6247,62415,2487.6%501173,1393,1396,2783.1%501213,1033,1036,2063.1%501202,6862,6865,3722.7%501202,6042,6045,2082.6%501102,3432,3434,6862.3%501222,0132,0134,0262.0%501231,9641,9643,9281.9%501241,9251,9253,8501.9%501031,8491,8493,6981.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501241,6221,6223,2441.6%501041,3431,3432,6861.3%	50111	8,630	8,630	17,260	8.6%
501138,1228,12216,2448.1%501157,8137,81315,6267.8%501097,6247,62415,2487.6%501173,1393,1396,2783.1%501213,1033,1036,2063.1%501192,6862,6865,3722.7%501202,6042,6045,2082.6%501102,3432,3434,6862.3%501222,0132,0134,0262.0%501231,9641,9643,9281.9%501031,8491,8493,6981.8%501081,8071,8073,6141.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50107	8,532	8,532	17,064	8.5%
501157,8137,81315,6267.8%501097,6247,62415,2487.6%501173,1393,1396,2783.1%501213,1033,1036,2063.1%501192,6862,6865,3722.7%501202,6042,6045,2082.6%501102,3432,3434,6862.3%501022,0132,0134,0262.0%501231,9641,9643,9281.9%501011,9251,9253,8501.9%501031,8491,8493,6981.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50114	8,395	8,395	16,790	8.3%
501097,6247,62415,2487.6%501173,1393,1396,2783.1%501213,1033,1036,2063.1%501192,6862,6865,3722.7%501202,6042,6045,2082.6%501102,3432,3434,6862.3%501022,0132,0134,0262.0%501231,9641,9643,9281.9%501011,9251,9253,8501.9%501031,8491,8493,6981.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50113	8,122	8,122	16,244	8.1%
501173,1393,1396,2783.1%501213,1033,1036,2063.1%501192,6862,6865,3722.7%501202,6042,6045,2082.6%501102,3432,3434,6862.3%501022,0132,0134,0262.0%501231,9641,9643,9281.9%501211,9461,9463,8921.9%501021,9461,9463,8921.9%501031,8491,8493,6981.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50115	7,813	7,813	15,626	7.8%
501213,1033,1036,2063.1%501192,6862,6865,3722.7%501202,6042,6045,2082.6%501102,3432,3434,6862.3%501022,0132,0134,0262.0%501231,9641,9643,9281.9%501221,9461,9463,8921.9%501011,9251,9253,8501.9%501031,8491,8493,6981.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50109	7,624	7,624	15,248	7.6%
501192,6862,6865,3722.7%501202,6042,6045,2082.6%501102,3432,3434,6862.3%501022,0132,0134,0262.0%501231,9641,9643,9281.9%501221,9461,9463,8921.9%501011,9251,9253,8501.9%501031,8491,8493,6981.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50117	3,139	3,139	6,278	3.1%
501202,6042,6045,2082.6%501102,3432,3434,6862.3%501022,0132,0134,0262.0%501231,9641,9643,9281.9%501221,9461,9463,8921.9%501011,9251,9253,8501.9%501031,8491,8493,6981.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50121	3,103	3,103	6,206	3.1%
501102,3432,3434,6862.3%501022,0132,0134,0262.0%501231,9641,9643,9281.9%501221,9461,9463,8921.9%501011,9251,9253,8501.9%501031,8491,8493,6981.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50119	2,686	2,686	5,372	2.7%
501022,0132,0134,0262.0%501231,9641,9643,9281.9%501221,9461,9463,8921.9%501011,9251,9253,8501.9%501031,8491,8493,6981.8%501081,6591,6593,3181.6%501181,6341,6343,2681.6%501241,6221,6223,2441.6%501041,3431,3432,6861.3%	50120	2,604	2,604	5,208	2.6%
501231,9641,9643,9281.9%501221,9461,9463,8921.9%501011,9251,9253,8501.9%501031,8491,8493,6981.8%501081,8071,8073,6141.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501241,6221,6223,2441.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50110	2,343	2,343	4,686	2.3%
501221,9461,9463,8921.9%501011,9251,9253,8501.9%501031,8491,8493,6981.8%501081,8071,8073,6141.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501241,6221,6223,2441.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50102	2,013	2,013	4,026	2.0%
501011,9251,9253,8501.9%501031,8491,8493,6981.8%501081,8071,8073,6141.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501241,6221,6223,2441.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50123	1,964	1,964	3,928	1.9%
501031,8491,8493,6981.8%501081,8071,8073,6141.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501241,6221,6223,2441.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50122	1,946	1,946	3,892	1.9%
501081,8071,8073,6141.8%501061,6591,6593,3181.6%501181,6341,6343,2681.6%501241,6221,6223,2441.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50101	1,925	1,925	3,850	1.9%
501061,6591,6593,3181.6%501181,6341,6343,2681.6%501241,6221,6223,2441.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50103	1,849	1,849	3,698	1.8%
501181,6341,6343,2681.6%501241,6221,6223,2441.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50108	1,807	1,807	3,614	1.8%
501241,6221,6223,2441.6%501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50106	1,659	1,659	3,318	1.6%
501121,5731,5733,1461.6%501041,3431,3432,6861.3%	50118	1,634	1,634	3,268	1.6%
50104 1,343 1,343 2,686 1.3%	50124	1,622	1,622	3,244	1.6%
	50112	1,573	1,573	3,146	1.6%
Total> 100,763 100,763 201,526 100%	50104	1,343	1,343	2,686	1.3%
	Total>	100,763	100,763	201,526	100%

 Table 5: 2013 Boardings and Alightings by Run - Ordered by Percent Of Total

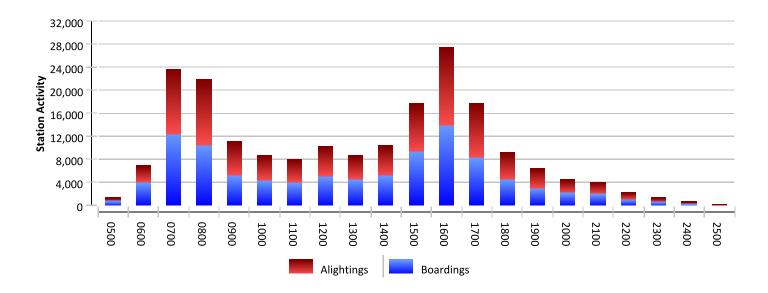
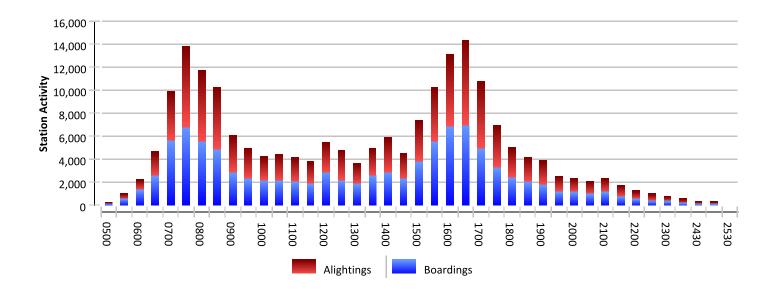


Chart 4: 2013 Time of Day Distribution of Station Activity (Boardings + Alightings) 60 Minute Interval

Chart 5: 2013 Time of Day Distribution of Station Activity (Boardings + Alightings) 30 Minute Interval



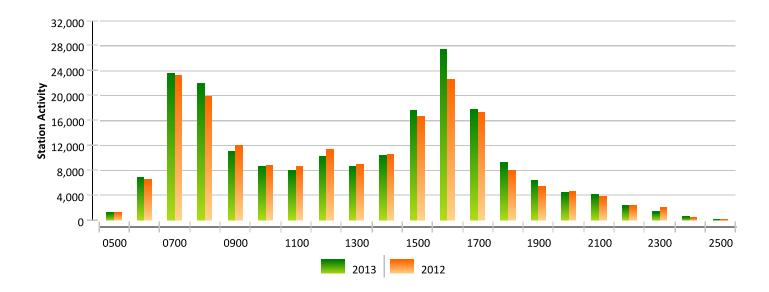


Chart 6: 2013 vs. 2012 Time of Day Distribution of Station Activity (Boardings + Alightings) 60 Minute Interval

Chart 7: 2013 vs. 2012 Time of Day Distribution of Station Activity (Boardings + Alightings) 30 Minute Interval

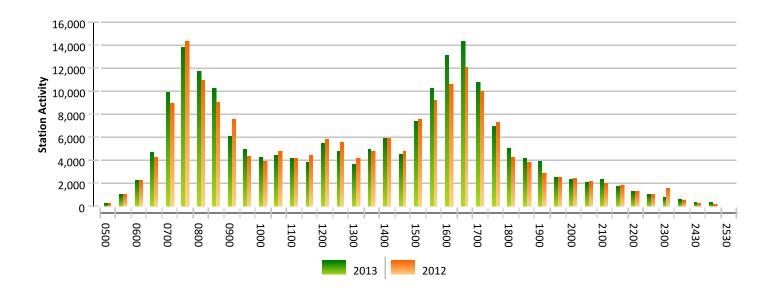


Table 6: 2013 vs. 2012 Maximun Load Point Activity Capital Line A.M. Peak Hour

				At Maxim	un Load Points	6			
Capital Line Southbound					Capital Line Northbound				
Year	Departing Stadium Southbound	# of Trips d	# of LRV	Avg. Passenger Loading per LRV	Year	Departing McKernan Northbound	# of Trips	# of LRV	Avg. Passenger Loading per LRV
2013	4,012	12	48	84	2013	5,852	12	48	122
2012	3,775	12	46	82	2012	5,799	12	46	126
% Change	6.3%	0.0%	4.3%	1.8%	% Change	0.9%	0.0%	4.3%	(3.3)%

At Maximun Load Points

The Maximun load points for the Capital Line during the A.M. Peak Hour are the link between Stadium and Churchill stations for the Capital Line Southbound and the link between McKernan/Belgravia and Health Sciences/Jubilee stations for the Capital Line Northbound.

The LRV design capacity is 165 passengers.

Table 7: 2013 vs. 2012 Maximun Load Point Activity Capital Line P.M. Peak Hour

				At Maxim	un Load Points	5			
Capital Line Northbound					Capital Line Southbound				
Year	Departing Churchill Northbound	# of Trips d	# of LRV	Avg. Passenger Loading per LRV	Year	Departing Health Science Southboun	# of Trips d	# of LRV	Avg. Passenger Loading per LRV
2013	3,552	12	47	76	2013	5,872	12	48	122
2012	3,235	12	47	69	2012	4,538	12	48	95
% Change	9.8%	0.0%	0.0%	10%	% Change	29.4%	0.0%	0.0%	29.4%

The Maximun load points during the P.M. Peak Hour are the link between Health Sciences/Jubilee and McKernan/Belgravia stations for the Capital Line Southbound and the link between Churchill and Stadium stations for the Capital Line Northbound.

The LRV design capacity is 165 passengers.

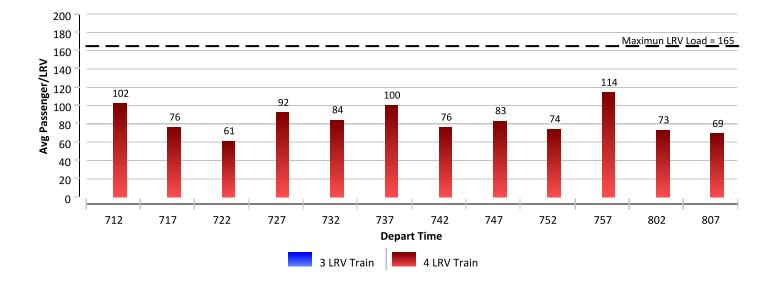
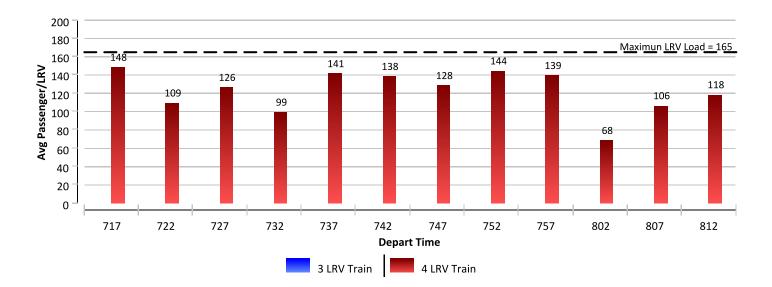


Chart 8: 2013 Average Passengers per LRV - Stadium Station Departing Southbound A.M. Peak Hour

Chart 9: 2013 Average Passengers per LRV - McKernan/Belgravia Station Departing Northbound A.M. Peak Hour



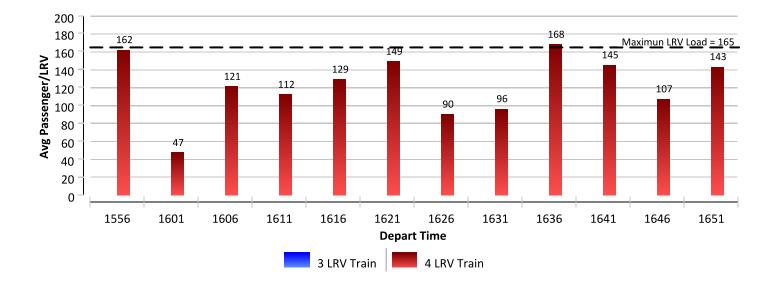
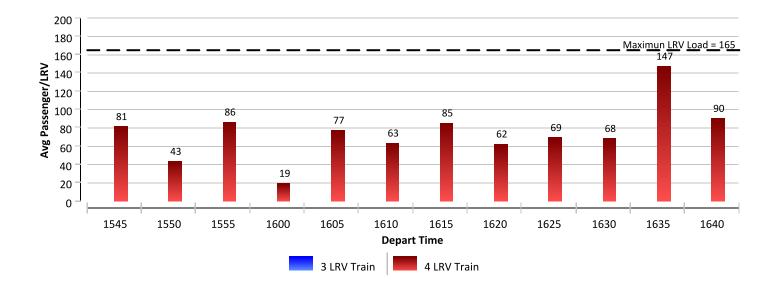


Chart 10: 2013 Average Passengers per LRV - Health Science/Jubilee Station Departing Southbound P.M. Peak Hour

Chart 11: 2013 Average Passengers per LRV - Churchill Station Departing Northbound P.M. Peak Hour



A Note On Ridership and Boardings:

Daily ridership figures refer to the total number of boardings. Annual and monthly ridership figures refer to the total number of linked trips.

Boarding:

A boarding is counted each time a passenger boards a bus or LRT vehicle even though the boarding may be the result of a transfer from another route to complete the same one-way journey. For example, if a passenger boards three different buses to get to their destination then their trip will add three boardings to the daily total. (A boarding is also known as an unlinked trip.) The number of boardings is obtained by counting passengers (manually or with a machine) as they board each transit vehicle.

Linked Trip:

A linked trip is the complete ride from an origin to a destination, no matter how many transfers between buses (or between LRT and buses) it takes to complete the trip. Traveling from home to work would be one linked trip, even if it meant taking a bus to an LRT station and then transferring to the LRT to get Downtown. Returning from work to home would count as a second linked trip. The number of linked trips is obtained through an analysis of the monthly sales of the various fare media (e.g. monthly passes, ticket books, and cash).

DISCLAIMER

The Transit Monitoring and Analysis team makes an extensive effort to assure the quality of information contained in this report is correct. Transit usage can vary by 10 percent or more from one day to the next or by season to season. Our team tries to minimize the variations by conducting surveys around the same time of the year. Year to Year variation may be due to random events such as weather, accidents or unforeseen events affecting service delivery. It is impossible to achieve complete accuracy and consistency in the reported data.

We recommend looking at trends, since variation that is consistent over a longer period is more likely to be real and not just the result of random events. Consideration and appropriate weighting of other sources is to be encouraged before making decisions.

Front Page Image Credit: Imran Hayat, Transportation Planning