

Service Level Report: Full Service Weekly & Break Service Averages Weeks 9-12: SY19

"Safety, Courtesy, Reliability, and the Environment"

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GLOSSARY

- <u>Driver Hours (DH):</u> DH are the hours a driver is on duty, including hours on stand-by, driving to and from the garage, and when there are no passengers on board. These are the hours paid to the drivers; a combination of revenue and non-revenue hours.
- <u>Fiscal Year (FY):</u> The operational year starting from July 1st to June 30th and is year abbreviated with the second Calendar Year. (IE FY 19 is July 1, 2018 to June 30, 2019)
- <u>Fixed Route Service (FR):</u> FR operate along a specific route according to a fixed or preset schedule. Each trip serves the same stops, continuously, until service ends. In NTD Reporting this is defined as Motor Bus Service (MB).
- <u>Full Service</u>: This is our peak service typically operated during the fall and spring semesters. During Full Service, all routes are in operation with multiple buses operating on each route for peak frequency typically every 10-15 minutes. Tandems are also utilized in the first couple of weeks of Fall and Spring Service to increase capacity on high demand routes.
- <u>Intermediate Service:</u> This service operates the week before Virginia Tech classes resume for the fall semester and other select days throughout the year. It strongly resembles the Full Service with lower frequency on most routes.
- No Service: This service occurs on five different days: New Year's Day, Memorial Day, July 4th, Thanksgiving, and Christmas. No routes run on these days.
- <u>Previous Year</u>: These sections refer to data for the same period in the previous year.
- <u>Reduced Service</u>: This service is operated outside of fall and spring semesters during winter, spring, summer and fall breaks. Each route provides 30 minute or hourly service depending on the length of the route. Some routes do not operate; others follow an altered route.
- Revenue Hours (RH): RH are the hours of service where a bus is providing passenger service.
- Revenue Miles (RM): RM are the miles a bus travels on a route while providing passenger service.
- <u>Ridership:</u> Ridership is the number of people using a public transportation service in a given time period.
- <u>Service Period (SP):</u> Blocks of service weeks based on the VT Calendar and our Full Service. Generally contains 4 to 5 weeks containing 4 weeks of Full Service and any special one week of other service (Spring Break, Thanksgiving week, Week Zero) OR is the section or Reduced Service between Fall and Spring semesters at VT or the Reduced Service in Summer which is broken into two Periods. Eleven Service Periods make up the Service Year.
- <u>Service Year (SY):</u> This is the functioning operations year stating with Week Zero of the current Fiscal Year until the end of Reduced Service before the start of the next Week Zero.
- <u>Tandems:</u> Additional vehicles that follow the scheduled route vehicles on high demand routes
 during the first few weeks of Full Service in the Fall and Spring. These catch the overloads and
 late arrivals of passengers new to the service at this time.
- <u>Trippers:</u> Additional stand-by service vehicles scheduled around special events such as Football Games to assist Routes in sudden passenger peak demands.
- Week Zero: The Intermediate Service Level Week that occurs in August before the start of Virginia Tech Fall Semester and the start of Full Service. The exact dates vary year to year.
- <u>Year-to-Date (YTD):</u> YTD numbers are the sum of values for a period beginning The first day of Week Zero of the current Service Year until the end of a specified Service Period.

Route Abbreviations

Abbreviation	Route Full Name				
BLU	Explorer Blue				
BTC	BT Commuter				
CAS	Campus Shuttle				
CBD	Carpenter Boulevard				
CRC	Corporate Research Center				
GLD	Explorer Gold				
HDG	Harding Avenue				
HWD	Hethwood				
HWA	Hethwood A				
HWB	Hethwood B				
HXP	Hokie Express				

Abbreviation	Route Full Name						
MSN	Main Street North						
MSS	Main Street South						
PHD	Patrick Henry Drive						
PRB	Progress B						
PRO	Progress Street						
TE	The Explorer						
TOM	Toms Creek						
TTT	Two Town Trolley						
UCB	University City Boulevard						
UMS	University Mall Shuttle						

Service Year Week/Period Comparison

Color Key:	Fu	ull Servio	ce		Footbal	l Games									
	Intem	ediate S	ervice					•							
		uced Sei								•		,			
	N	lo Servic									rent Y				
				ce Year 2018							ce Year		_		
1/5			_		17 - Aug 11, 2018										
Week/Break	S	M	T	W	Th	F	Sa	S	M	T	W	Th	F	Sa	
0	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/12	8/13	8/14	8/15	8/16	8/17	8/18	
1	8/27	8/28	8/29	8/30	8/31	9/1	9/2	8/19	8/20	8/21	8/22	8/23	8/24	8/25	
2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	8/26	8/27	8/28	8/29	8/30	8/31	9/1	Report Period 1
3	9/10	9/11	9/12	9/13	9/14	9/15	9/16	9/2	9/3	9/4	9/5	9/6	9/7	9/8	
4	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/9	9/10	9/11	9/12	9/13	9/14	9/15	
5	9/24	9/25	9/26	9/27	9/28	9/29	9/30	9/16	9/17	9/18	9/19	9/20	9/21	9/22	
6	10/1	10/2	10/3	10/4	10/5	10/6	10/7	9/23	9/24	9/25	9/26	9/27	9/28	9/29	Report Period 2
7	10/8	10/9	10/10	10/11	10/12	10/13	10/14	9/30	10/1	10/2	10/3	10/4	10/5	10/6	Report I chou 2
8	10/15	10/16	10/17	10/18		10/20		10/7	10/8	10/9	10/10	10/11	10/12	10/13	
9	10/22	10/23	10/24	10/25	10/26	10/27	10/28	10/14	10/15	10/16	10/17	10/18	10/19	10/20	<u> </u>
10	10/29	10/30	10/31	11/1	11/2	11/3	11/4	10/21	10/22	10/23	10/24	10/25	10/26	10/27	Report Period 3
11	11/5	11/6	11/7	11/8	11/9	11/10	11/11	10/28	10/29	10/30	10/31	11/1	11/2	11/3	Report Period 5
12	11/12	11/13	11/14	11/15	11/16	11/17	11/18	11/4	11/5	11/6	11/7	11/8	11/9	11/10	
Thanksgiving/13	11/19	11/20	11/21	11/22	11/23	11/24	11/25	11/11	11/12	11/13	11/14	11/15	11/16	11/17	
13/Thanksgiving	11/26	11/27	11/28	11/29	11/30	12/1	12/2	11/18	11/19	11/20	11/21	11/22	11/23	11/24	
14	12/3	12/4	12/5	12/6	12/7	12/8	12/9	11/25	11/26	11/27	11/28	11/29	11/30	12/1	Report Period 4
15	12/10	12/11	12/12	12/13	12/14	12/15	12/16	12/2	12/3	12/4	12/5	12/6	12/7	12/8	
16	12/17	12/18	12/19	12/20	12/21	12/22	12/23	12/9	12/10	12/11	12/12	12/13	12/14	12/15	
Winter Break	12/24	12/25	12/26	12/27	12/28	12/29	12/30	12/16	12/17	12/18	12/19	12/20	12/21	12/22	
	12/31	1/1	1/2	1/3	1/4	1/5	1/6	12/23	12/24	12/25	12/26	12/27	12/28	12/29	
	1/7	1/8	1/9	1/10	1/11	1/12	1/13	12/30	12/31	1/1	1/2	1/3	1/4	1/5	Report Period 5
								1/6	1/7	1/8	1/9	1/10	1/11	1/12	
								1/13	1/14	1/15	1/16	1/17	1/18	1/19	

Service Year 2018 Aug 20, 2017 - Aug 11, 2018 Service Year 2019 Aug 12, 2018 - (Aug 17, 2019)

		A	ug 20, 20	J17 - Au	g 11, 20	10			Au	g 12, 20	10 - (Au	g 17, 20	19)		
Week/Break	S	M	T	W	Th	F	Sa	S	M	Т	W	Th	F	Sa	
17	1/14	1/15	1/16	1/17	1/18	1/19	1/20	1/20	1/21	1/22	1/23	1/24	1/25	1/26	
18	1/21	1/22	1/23	1/24	1/25	1/26	1/27	1/27	1/28	1/29	1/30	1/31	2/1	2/2	Donart Dariad C
19	1/28	1/29	1/30	1/31	2/1	2/2	2/3	2/3	2/4	2/5	2/6	2/7	2/8	2/9	Report Period 6
20	2/4	2/5	2/6	2/7	2/8	2/9	2/10	2/10	2/11	2/12	2/13	2/14	2/15	2/16	_
21	2/11	2/12	2/13	2/14	2/15	2/16	2/17	2/17	2/18	2/19	2/20	2/21	2/22	2/23	
22	2/18	2/19	2/20	2/21	2/22	2/23	2/24	2/24	2/25	2/26	2/27	2/28	3/1	3/2	
23	2/25	2/26	2/27	2/28	3/1	3/2	3/3	3/3	3/4	3/5	3/6	3/7	3/8	3/9	Report Period 7
Spring Break	3/4	3/5	3/6	3/7	3/8	3/9	3/10	3/10	3/11	3/12	3/13	3/14	3/15	3/16	
24	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/17	3/18	3/19	3/20	3/21	3/22	3/23	_
25	3/18	3/19	3/20	3/21	3/22	3/23	3/24	3/24	3/25	3/26	3/27	3/28	3/29	3/30	
26	3/25	3/26	3/27	3/28	3/29	3/30	3/31	3/31	4/1	4/2	4/3	4/4	4/5	4/6	Donart Dariad O
27	4/1	4/2	4/3	4/4	4/5	4/6	4/7	4/7	4/8	4/9	4/10	4/11	4/12	4/13	Report Period 8
28	4/8	4/9	4/10	4/11	4/12	4/13	4/14	4/14	4/15	4/16	4/17	4/18	4/19	4/20	
29	4/15	4/16	4/17	4/18	4/19	4/20	4/21	4/21	4/22	4/23	4/24	4/25	4/26	4/27	
30	4/22	4/23	4/24	4/25	4/26	4/27	4/28	4/28	4/29	4/30	5/1	5/2	5/3	5/4	Report Period 9
31	4/29	4/30	5/1	5/2	5/3	5/4	5/5	5/5	5/6	5/7	5/8	5/9	5/10	5/11	Report Period 9
32	5/6	5/7	5/8	5/9	5/10	5/11	5/12	5/12	5/13	5/14	5/15	5/16	5/17	5/18	
Summer I	5/13	5/14	5/15	5/16	5/17	5/18	5/19	5/19	5/20	5/21	5/22	5/23	5/24	5/25	
	5/20	5/21	5/22	5/23	5/24	5/25	5/26	5/26	5/27	5/28	5/29	5/30	5/31	6/1	
	5/27	5/28	5/29	5/30	5/31	6/1	6/2	6/2	6/3	6/4	6/5	6/6	6/7	6/8	
	6/3	6/4	6/5	6/6	6/7	6/8	6/9	6/9	6/10	6/11	6/12	6/13	6/14	6/15	Report Period 10
	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/16	6/17	6/18	6/19	6/20	6/21	6/22	
	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/23	6/24	6/25	6/26	6/27	6/28	6/29	
	6/24	6/25	6/26	6/27	6/28	6/29	6/30	6/30	7/1	7/2	7/3	7/4	7/5	7/6	
Summer II	7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/7	7/8	7/9	7/10	7/11	7/12	7/13	
	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/14	7/15	7/16	7/17	7/18	7/19	7/20	
	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/21	7/22	7/23	7/24	7/25	7/26	7/27	Report Period 11
	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/28	7/29	7/30	7/31	8/1	8/2	8/3	vehour Leuon II
	7/29	7/30	7/31	8/1	8/2	8/3	8/4	8/4	8/5	8/6	8/7	8/8	8/9	8/10	
	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/11	8/12	8/13	8/14	8/15	8/16	8/17	
														_	

Report Periods: General Desciptions of Report Coverage

Report Period 2:	Contains second four weeks of Full Service and may or may not include Fall Break
Report Period 3:	Contains third four weeks of Full Service and may or may not include Fall Break
Report Period 4:	Contains fourth four weeks of Full Service and Thanksgiving Break Week and transisition to Winter Break
Report Period 5:	Contains Reduced service weeks over Winter Break. Number of weeks can vary
Report Period 6:	Contains fifth four weeks of Full Service and Martin Luther King Holiday
Report Period 7:	Contains sixth four weeks of Full Service and Spring Break Week
Report Period 8:	Contains seventh four weeks of Full Service
Report Period 9:	Contains eights four weeks of Full Service and transition to Summer
Report Period 10:	Contains the first six/seven weeks of Break service in the summer and basically corresponds to VT's Summer I Session
Report Period 11:	Contains the last weeks of Break service in the summer and basically corresponds to VT's Summer II Session
Football Games:	Occur on a variable schedule both in dates and number in Report Periods 1 - 4. Has a high impact on Service

Report Period 1: Contains Week Zero and first four weeks of Full Service and includes Labor Day holiday

Summary

Fixed Routes

	Current Period	Previous Year	Change by Period	Current YTD Total	Previous YTD Total	YTD Change
Total Passengers	557,277	496,735	12%	1,793,029	1,568,112	14%
Total Revenue Hours	10,086.74	9,398.16	7%	31,847.19	29,149.05	9%
Total Revenue Miles	100,663.20	91,358.20	10%	319,217.40	284,667.40	12%
Total Driver Hours	12,540.75	12,052.75	4%	39,896.00	37,768.67	6%
Passengers/RH	55.25	52.85	5%	56.30	53.80	5%
Passengers/RM	5.54	5.44	2%	5.62	5.51	2%
Passengers/DH	44.44	41.21	8%	44.94	41.52	8%
Full Service Weekdays	19	20	(1)	58	58	0
Full Service Weekends	8	7	1	25	23	2
Reduced Service Weekdays	0	0	0	0	1	(1)
Reduced Service Weekends	0	1	(1)	1	3	(2)
Intermediate Service Weekdays	1	0	1	7	6	1
Intermediate Service Weekends	0	0	0	0	0	0
Football Games	2	2	0	4	6	(2)
No Service Days	0	0	0	0	0	0

^{*}Note: These numbers include both Blacksburg and Christiansburg Fixed Route Service. Including Shuttles

*Note: Does NOT include Demand Response Services

Total Ridership per Route

Fixed Routes

Route	Current Period	% of Ridership	Previous Year	Change by Period	Current YTD Total	% of YTD Ridership	Previous YTD Total	YTD Change
BLU	0	0.00%	0	N/A	0	0.00%	0	N/A
втс	164	0.03%	279	-41%	661	0.04%	925	-29%
CAS	2,722	0.49%	0	N/A	8,090	0.45%	0	N/A
CBD	8,179	1.47%	7,722	6%	28,000	1.56%	26,507	6%
CRC	15,642	2.81%	11,640	34%	48,914	2.73%	36,167	35%
GLD	0	0.00%	0	N/A	0	0.00%	0	N/A
HDG	22,332	4.01%	19,347	15%	71,459	3.99%	57,850	24%
HWD	6,707	1.20%	5,596	20%	21,074	1.18%	18,713	13%
HWA	49,786	8.93%	48,812	2%	156,656	8.74%	151,422	3%
HWB	46,615	8.36%	34,493	35%	147,708	8.24%	108,250	36%
НХР	35,640	6.40%	31,590	13%	113,703	6.34%	95,933	19%
MSN	41,702	7.48%	38,578	8%	137,859	7.69%	123,685	11%
MSS	33,467	6.01%	30,156	11%	110,055	6.14%	95,737	15%
PHD	46,729	8.39%	40,239	16%	154,249	8.60%	131,045	18%
PRB	4,461	0.80%	0	N/A	15,056	0.84%	0	N/A
PRG	55,534	9.97%	53,840	3%	177,235	9.88%	166,180	7%
TE	1,073	0.19%	1,051	2%	3,433	0.19%	3,165	8%
TOM	81,659	14.65%	68,017	20%	262,134	14.62%	210,628	24%
TTT	6,995	1.26%	7,063	-1%	23,998	1.34%	23,854	1%
UCB	55,396	9.94%	53,401	4%	179,305	10.00%	172,551	4%
UMS	34,291	6.15%	36,804	-7%	112,951	6.30%	116,025	-3%
Athletics	8,183	1.47%	8,107	1%	20,479	1.14%	29,210	-30%
Specials	0	0.00%	0	N/A	10	0.00%	265	-96%
Totals	557,277	100.00%	496,735	12%	1,793,029	100.00%	1,568,112	14%

Passengers per Revenue Hour per Route All Fixed Routes

Route	Current Period	Previous Year	Change by Period
BLU	0.00	0.00	N/A
ВТС	3.64	6.20	-41%
CAS	11.77	0.00	N/A
CBD	34.80	33.00	5%
CRC	20.93	21.18	-1%
GLD	0.00	0.00	N/A
HDG	35.25	31.77	11%
HWD	67.17	61.32	10%
HWA	70.77	67.55	5%
HWB	65.94	66.14	0%
НХР	40.14	35.43	13%
MSN	83.03	77.60	7%
MSS	45.06	39.62	14%
PHD	72.64	71.42	2%
PRB	18.98	0.00	N/A
PRG	78.89	74.43	6%
TE	4.63	4.58	1%
ТОМ	91.88	75.25	22%
TTT	20.74	21.40	-3%
UCB	65.81	63.34	4%
UMS	79.70	83.74	-5%
Athletics	34.31	19.72	74%
Specials	0.00	0.00	N/A

Passengers per Revenue Hour per Day of Week All Fixed Routes

	<u>(</u>	Current Period			Previous Year		
Week Day	Passengers	Revenue Hours	Pass/RH	Passengers	Revenue Hours	Pass/RH	Change Pass/RH
Sunday	11,285	268.90	41.97	12,530	289.03	43.35	-3%
Monday	107,441	1,857.09	57.85	93,334	1,671.38	55.84	4%
Tuesday	114,221	1,857.61	61.49	97,599	1,657.71	58.88	4%
Wednesday	115,623	1,860.86	62.13	98,628	1,654.38	59.62	4%
Thursday	108,720	1,920.64	56.61	94,065	1,655.88	56.81	0%
Friday	76,725	1,733.19	44.27	78,366	1,757.96	44.58	-1%
Saturday	23,262	588.45	39.53	22,213	711.82	31.21	27%
Total	557,277	10,086.74	55.25	496,735	9,398.16	52.85	5%

^{*} Note: these numbers DO NOT include Demand Response Service

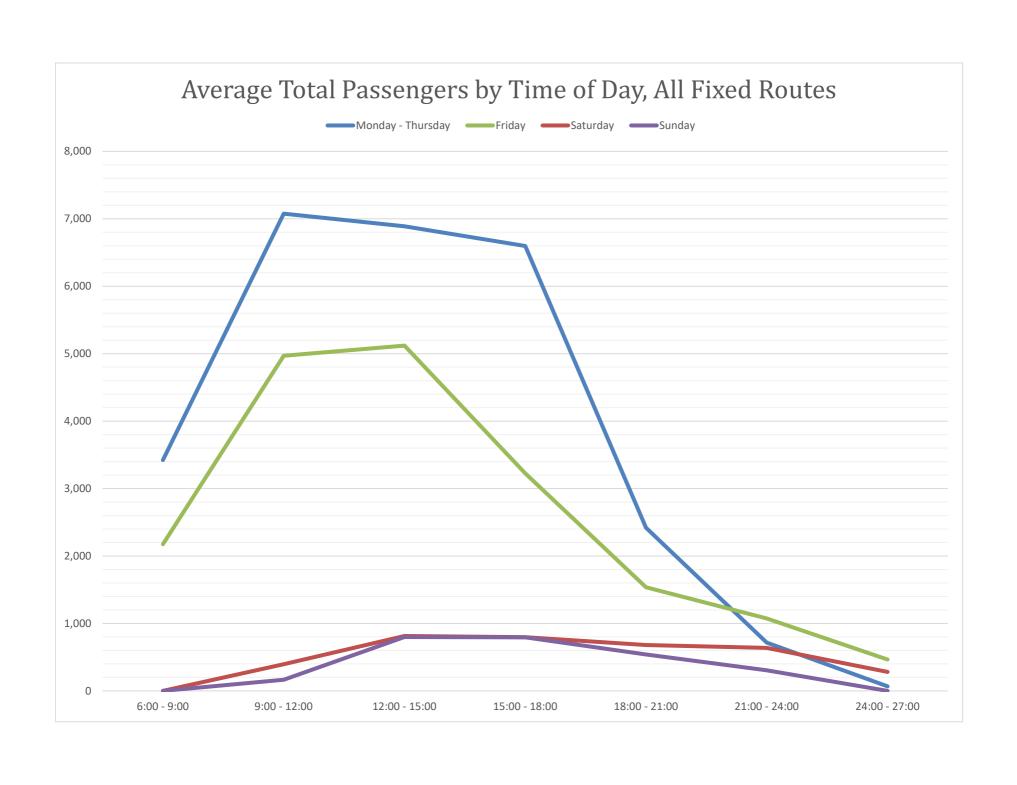
Passengers per Revenue Mile per Day of Week All Fixed Routes

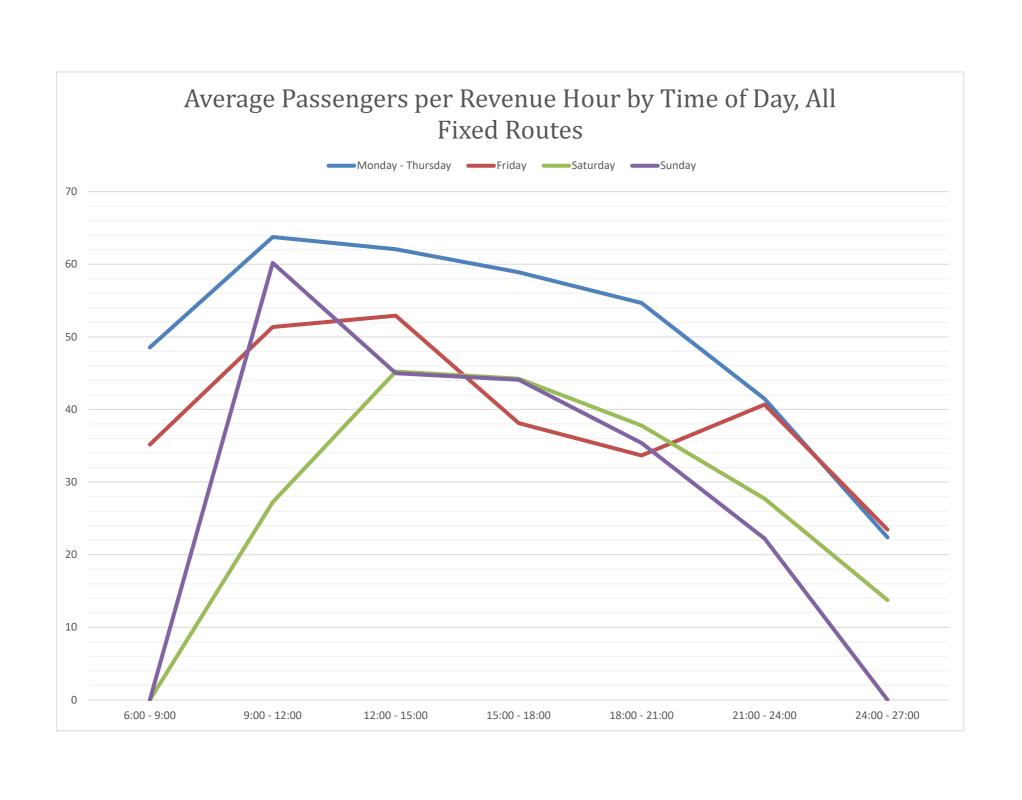
	<u>(</u>	Current Period	<u> </u>				
Week Day	Passengers	Revenue Miles	Pass/RM	Passengers	Revenue Miles	Pass/RM	Change Pass/RM
Sunday	11,285	2,806	4.02	12,530	2,870	4.37	-8%
Monday	107,441	18,627	5.77	93,334	16,265	5.74	1%
Tuesday	114,221	18,556	6.16	97,599	16,177	6.03	2%
Wednesday	115,623	18,509	6.25	98,628	16,226	6.08	3%
Thursday	108,720	18,971	5.73	94,065	16,249	5.79	-1%
Friday	76,725	17,594	4.36	78,366	17,008	4.61	-5%
Saturday	23,262	5,600	4.15	22,213	6,563	3.38	23%
Total	557,277	100,663	5.54	496,735	91,358	5.44	2%

^{*} Note: these numbers DO NOT include Demand Response Service

Average Ridership and Revenue Hours by Time of Day All Fixed Routes

Ti	me of Day	Avg Total Passengers	Average RH	Avg Pass. per RH
ay	6:00 - 9:00	3,421.88	70.50	48.54
rsd	9:00 - 12:00	7,076.38	111.00	63.75
Гhu	12:00 - 15:00	6,889.00	111.00	62.06
[15:00 - 18:00	6,596.00	112.00	58.89
Monday - Thursday	18:00 - 21:00	2,418.81	44.25	54.66
lon	21:00 - 24:00	715.13	17.25	41.46
2	24:00 - 27:00	67.13	3.00	22.38
	6:00 - 9:00	2,175.75	61.88	35.16
	9:00 - 12:00	4,969.75	96.75	51.37
>	12:00 - 15:00	5,119.75	96.75	52.92
Friday	15:00 - 18:00	3,225.50	84.63	38.12
ш.	18:00 - 21:00	1,535.50	45.63	33.65
	21:00 - 24:00	1,075.00	26.44	40.66
	24:00 - 27:00	464.75	19.81	23.46
	6:00 - 9:00	0.00	0.00	0.00
	9:00 - 12:00	394.67	14.50	27.22
day	12:00 - 15:00	814.00	18.00	45.22
Saturday	15:00 - 18:00	796.33	18.00	44.24
Sat	18:00 - 21:00	680.00	18.00	37.78
	21:00 - 24:00	637.67	23.00	27.72
	24:00 - 27:00	281.67	20.50	13.74
	6:00 - 9:00	0.00	0.00	0.00
	9:00 - 12:00	165.50	2.75	60.18
a	12:00 - 15:00	798.75	17.75	45.00
Sunday	15:00 - 18:00	793.75	18.00	44.10
Su	18:00 - 21:00	539.50	15.25	35.38
	21:00 - 24:00	305.50	13.75	22.22
	24:00 - 27:00	0.00	0.00	0.00





Average Ridership and Revenue Hours by Time of Day- Full Service ONLY All Fixed Routes

Time of Day		Avg Total Passengers	Average RH	Avg Pass. per RH
Monday - Thursday	6:00 - 9:00	3,421.88	70.50	48.54
	9:00 - 12:00	7,076.38	111.00	63.75
	12:00 - 15:00	6,889.00	111.00	62.06
	15:00 - 18:00	6,596.00	112.00	58.89
	18:00 - 21:00	2,418.81	44.25	54.66
	21:00 - 24:00	715.13	17.25	41.46
	24:00 - 27:00	67.13	3.00	22.38
Friday	6:00 - 9:00	2,770.33	70.50	39.30
	9:00 - 12:00	6,289.67	111.00	56.66
	12:00 - 15:00	6,399.00	111.00	57.65
	15:00 - 18:00	3,842.67	94.50	40.66
	18:00 - 21:00	1,751.67	47.00	37.27
	21:00 - 24:00	1,288.67	27.00	47.73
	24:00 - 27:00	582.00	20.50	28.39
Saturday	6:00 - 9:00	0.00	0.00	0.00
	9:00 - 12:00	394.67	14.50	27.22
	12:00 - 15:00	814.00	18.00	45.22
	15:00 - 18:00	796.33	18.00	44.24
	18:00 - 21:00	680.00	18.00	37.78
	21:00 - 24:00	637.67	23.00	27.72
	24:00 - 27:00	281.67	20.50	13.74
Sunday	6:00 - 9:00	0.00	0.00	0.00
	9:00 - 12:00	165.50	2.75	60.18
	12:00 - 15:00	798.75	17.75	45.00
	15:00 - 18:00	793.75	18.00	44.10
	18:00 - 21:00	539.50	15.25	35.38
	21:00 - 24:00	305.50	13.75	22.22
	24:00 - 27:00	#DIV/0!	0.00	0.00

