

Green Bay Metro Quarterly Route Data and Analysis Report November 2015



**Prepared by the Brown County Planning Commission/
Metropolitan Planning Organization (MPO)
for the Green Bay Urbanized Area**

Overview

The Brown County Planning Commission and Green Bay Metro staffs conduct route reviews on a quarterly basis each year in the months of February, May, August, and November. In February of each year, a large-scale review is conducted resulting in the publication of the *Green Bay Metro Annual Route Review and Analysis Report*, by Brown County Planning Commission. In May, August, and November, a smaller scale route review report is issued.

For each route review, Green Bay Metro's 15 full service routes are evaluated individually in terms of the performance standards outlined in the *Green Bay Metro Policy and Procedures Manual*, August 1992, as amended. The three primary performance measures used to evaluate each route are as follows:

1. Revenue Per Hour. The revenue per hour standard helps to determine the financial efficiency of a route. The revenue per hour of an individual route should be at least 80 percent of the system median.
2. Passengers Per Hour. This standard evaluates the number of revenue passengers per hour. Each route should have 80 percent of the system median of passengers per hour.
3. Operating Ratio. The operating ratio of a route is determined by dividing a route's passenger revenue by the total operating expense. The operating ratio measure illustrates the percentage of revenue recovered. For example, the weekday full service system during November recovered 15.4 percent of all expenses, or 15.4 cents per every dollar spent operating the system (excluding the paratransit system). The standard for the operating ratio is 80 percent of the system median.

Ridership and revenue data were gathered for all full service routes on weekdays. A special effort was made to separate day and evening data for the full service route system. Results of the route review are contained in this report.

The passenger and revenue statistics are typical of a weekday in November. It should be noted that passenger and revenue levels fluctuate throughout the year. Historically, system performance is down in the summer months when K-12 and post-secondary schools are not in full-session.

The Brown County Planning Commission staff maintains historical ridership and revenue data by route. This information is routinely used for planning purposes.

For a copy of the *2015 Green Bay Metro Annual Route Review and Analysis Report*, please visit the Brown County Planning Commission's website at <http://www.co.brown.wi.us/>. Click on Departments, Planning, Transportation, and scroll down and click Transit Planning.

On the Cover: Bus 1501. Green Bay Metro accepted delivery of four new 40' Gillig buses in late 2015. The buses will replace 1995 and 1998 Gillig/Phantom buses that have been retired.

**Table 1
Revenue per Hour
Weekday**

Route	Daytime Trips	Evening Trips	Total Trips	Route Length (in hours)	Total Revenue	Daytime Revenue per Hour	Evening Revenue per Hour	Total Revenue per Hour
# 6 Red	26	3	29	1.0	\$646.33	\$22.87	\$17.27	\$22.29
# 8 Green	13	3	16	1.0	323.41	22.34	10.99	20.21
# 9 Tan	13	3	16	1.0	261.69	18.02	9.14	16.36
# 4 Blue	13	3	16	1.0	235.84	15.90	9.73	14.74
#14 Pink	13	3	16	1.0	229.34	15.53	9.13	14.33
# 2 Orange	25	7	32	0.5	219.96	15.74	6.64	13.75
# 7 Lime	26	3	29	1.0	395.09	14.00	10.36	13.62
# 3 Silver	13	0	13	1.0	159.06	12.24		12.24
#11 Sky	13	3	16	1.0	195.00	13.70	5.65	12.19
# 1 Brown	26	3	29	1.0	348.78	12.36	9.14	12.03
# 5 Plum	8	0	8	1.0	81.04	10.13		10.13
SYSTEM STANDARD								\$9.79
#13 River	24	7	31	0.5	138.13	10.23	4.38	8.91
#18 Gold	12	3	15	1.0	118.88	8.71	4.79	7.93
#17 Brick	13	3	16	1.0	113.66	7.20	6.67	7.10
#10 Yellow	13	3.5	16.5	1.0	111.74	7.96	2.35	6.77
Total/System Average:					\$3,577.94	\$14.36	\$8.03	\$13.40

System Median:

\$12.24

System Standard:

\$9.79

Notes:

Daytime operations are from 5:15 AM to 6:00 PM.

Evening operations are from 6:00 PM to 9:45 PM.

Revenue is passenger generated only. Free fare passengers are not included.

#3 Silver and #5 Plum do not operate in the evening.

**Table 2
Passengers per Hour
Weekday**

Route	Daytime Trips	Evening Trips	Total Trips	Route Length (in hours)	Total Hours	Total Passengers	Total Passengers per Hour
# 6 Red	26	3	29	1.0	29.0	841	29.0
# 8 Green	13	3	16	1.0	16.0	407	25.4
# 9 Tan	13	3	16	1.0	16.0	326	20.4
# 4 Blue	13	3	16	1.0	16.0	319	19.9
# 7 Lime	26	3	29	1.0	29.0	570	19.7
# 2 Orange	25	7	32	0.5	16.0	311	19.4
#14 Pink	13	3	16	1.0	16.0	310	19.4
# 3 Silver	13	0	13	1.0	13.0	223	17.2
#11 Sky	13	3	16	1.0	16.0	265	16.6
# 1 Brown	26	3	29	1.0	29.0	451	15.6
# 5 Plum	8	0	8	1.0	8.0	110	13.8
SYSTEM STANDARD							13.8
#13 River	24	7	31	0.5	15.5	182	11.7
#17 Brick	13	3	16	1.0	16.0	170	10.6
#18 Gold	12	3	15	1.0	15.0	151	10.1
#10 Yellow	13	3.5	16.5	1.0	16.5	149	9.0
Total/System Average:					267.0	4,785	17.9

System Median: 17.2
System Standard: 13.8

Notes:

Daytime operations are from 5:15 AM to 6:00 PM.

Evening operations are from 6:00 PM to 9:45 PM.

Revenue is passenger generated only. Free fare passengers are not included.

#3 Silver and #5 Plum do not operate in the evening.

**Table 3
Green Saturday**

Route	Hours of Service per Saturday	All Passengers Ride Free	Free Riders per Hour
# 1 Brown	11	213	19.4
# 2 Orange	11	261	23.7
# 3 Silver			
# 4 Blue	11	189	17.2
# 5 Plum			
# 6 Red	15	564	37.6
# 7 Lime	11	306	27.8
# 8 Green	11	399	36.3
# 9 Tan	11	256	23.3
#10 Yellow	11	78	7.1
#11 Sky	11	170	15.5
#13 River	11	168	15.3
#14 Pink	11	231	21.0
#17 Brick	11	130	11.8
#18 Gold	11	134	12.2
Total/System Average:	147	3,099	21.1

Notes:

#3 Silver and #5 Plum do not operate on Saturday.

**Table 4
Operating Ratio or Percent of Expenses Recovered
Weekday**

Route	Daytime Trips	Evening Trips	Total Trips	Route Length (in hours)	Total Revenue	Daytime Operating Ratio	Evening Operating Ratio	Total Operating Ratio
# 6 Red	26	3	29	1.0	\$646.33	26.3%	19.9%	25.6%
# 8 Green	13	3	16	1.0	323.41	25.7%	12.6%	23.2%
# 9 Tan	13	3	16	1.0	261.69	20.7%	10.5%	18.8%
# 4 Blue	13	3	16	1.0	235.84	18.3%	11.2%	17.0%
#14 Pink	13	3	16	1.0	229.34	17.9%	10.5%	16.5%
# 2 Orange	25	7	32	0.5	219.96	18.1%	7.6%	15.8%
# 7 Lime	26	3	29	1.0	395.09	16.1%	11.9%	15.7%
# 3 Silver	13	0	13	1.0	159.06	14.1%		14.1%
#11 Sky	13	3	16	1.0	195.00	15.8%	6.5%	14.0%
# 1 Brown	26	3	29	1.0	348.78	14.2%	10.5%	13.8%
# 5 Plum	8	0	8	1.0	81.04	11.7%		11.7%
SYSTEM STANDARD								11.3%
#13 River	24	7	31	0.5	138.13	11.8%	5.0%	10.2%
#18 Gold	12	3	15	1.0	118.88	10.0%	5.5%	9.1%
#17 Brick	13	3	16	1.0	113.66	8.3%	7.7%	8.2%
#10 Yellow	13	3.5	16.5	1.0	111.74	9.2%	2.7%	7.8%
Total/System Average:					\$3,577.94	16.4%	9.0%	15.4%

System Median:

14.1%

System Standard:

11.3%

Notes:

Daytime operations are from 5:15 AM to 6:00 PM

Evening operations are from 6:00 PM to 9:45 PM

Revenue is passenger generated only. Free fare passengers are not included.

#3 Silver and #5 Plum do not operate in the evening.

**Table 5
Limited Service Routes
Passengers**

Limited Service Route	Passengers	Limited Service Route	Passengers
#65 a.m.	40	#75 a.m.	41
#65 p.m.	26	#75 p.m. (two loops)	54
#70 a.m.	31	#76 a.m.	11
#70 p.m.	32	#76 p.m.	30
#71 a.m.	59	#77 a.m.	14
#71 p.m.	65	#77 p.m.	7
#72 a.m.	17	#78 a.m.	3
#72 p.m.	29	#78 p.m.	4
#74 a.m.	36		
#74 p.m.	34		
Total Passengers:			533
Average Passengers per Trip:			30

Notes:

Limited Service routes are open to the general public.

Table 6
Bikes on Buses

Month	2014 Bikes	2015 Bikes
January	411	690
February	448	654
March	601	912
April	986	1,347
May	1,344	1,718
June	1,546	1,785
July	1,788	1,672
August	1,563	1,420
September	1,622	1,383
October	1,637	1,332
November	974	
December	603	
Total:	13,523	12,913
Average per Month:	1,127	1,291