

Transit System Technical Report



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Introduction

The Genesee County Transit Technical Report is developed to support the 2040 Long Range Transportation Plan. The report itself is represented by two documents:

1. The Mass Transportation Authority FY 2016 – 2020 Plan
2. The 2007 On-Board Transit Survey Summary Report

This summary will provide an overview of each report and will use the information from each report and from the Genesee County Transportation Model to explain transit related trends in Genesee County.

Regional Setting

Genesee County is situated near the southeastern portion of Michigan's Lower Peninsula, approximately fifty miles northwest of Detroit. Figure 1 illustrates the county's location within the State of Michigan. The county is approximately 649 square miles in area, and includes eleven cities, seventeen townships, and five villages. It is the 5th most populous county in the state, with 425,790 residents according to the 2010 U.S. Census. Genesee County is bordered by six neighboring counties: to the north are Saginaw and Tuscola Counties, Lapeer County is to the east, to the south are Oakland and Livingston Counties, and to the west is Shiawassee County.

Road Network

There are approximately 2,540 total roadway miles in Genesee County with about 70 of those miles being interstate roadway. Genesee County is served by four interstates: I-69, running east/west, I-75 and US-23 running north/south, and I-475, passing north/south through the City of Flint.

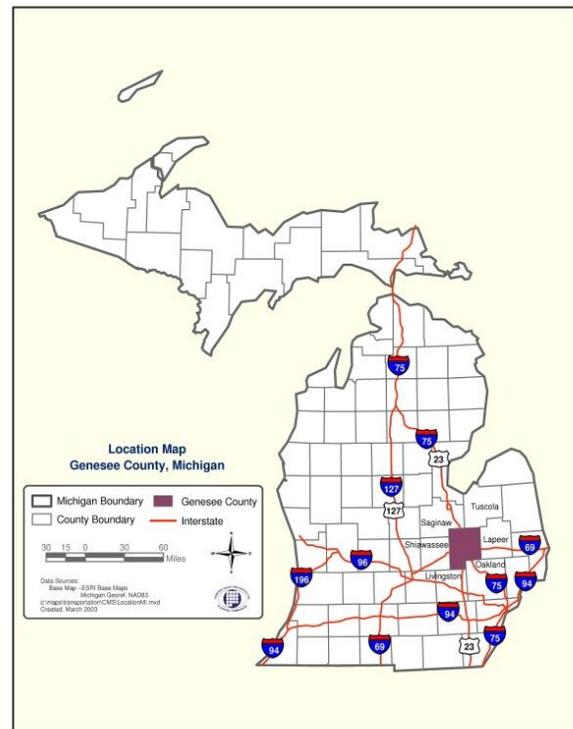


FIGURE 1-1

Figure 1: Location of Genesee County

The Mass Transportation Authority FY 2016 – 2020 Plan (MTA Five Year Plan)

The Mass Transportation Authority (MTA) is a public authority established to own and operate a public transportation system for the citizens of Genesee County. Funding for the MTA is generated from a combination of revenues including passenger fares, local transportation millages, state resources, and federal grants.

The MTA Five Year Plan is an operating plan that identifies clear objectives for the organization. The emphasis is on services to be provided to the public. The plan provides a comprehensive look at how all functional areas will contribute so that the MTA moves cohesively and cooperatively to achieve the objectives in the plan. The plan brings together the forces, factors, trends and events that will affect MTA operations in the foreseeable future. This information in the plan comes from reports, employees, passengers and the community. There is a series of maps at the end of this summary report that will identify the MTA's Primary Bus Routes, Primary Bus Route with Stops, and Your Ride Service Centers and service areas.



The MTA's Fixed Route Services experienced ridership growth in all of their Fixed Routes between 2009 and 2013, a total growth of 9.4%. The Demand Response Service, which operates Your Ride vehicles, has seen a 28.5% decrease in ridership from 665,153 to 475,585. Between fiscal years 2009 and 2013, MTA saw an increase in ridership by 5.93% for the combined services.

MTA Transit Performance		FY 2009	FY 2013	5 Year % Change
Fixed Route	Primary Routes	4,515,827	4,858,166	7.58%
	Peak Period Routes	461,281	640,380	38.83%
	Regional Routes	176,965	189,990	7.36%
Demand Response	Paratransit (YourRide)	665,153	475,585	-28.5%
Total		5,819,226	6,164,121	5.93%

Table 1: MTA 5 Year Change Transit Performance

The nearly 8% increase in ridership along the Regional Fixed Routes is notable to consider as the trends in Genesee County show that people are commuting more to surrounding communities (mostly for work purposes), not just within the City of Flint. As stated in the MTA's Five Year Plan, "Transit is counter-cyclical in that as economic conditions become more limited, transit becomes a more attractive transportation choice."

The primary route system has comprehensive coverage in the City of Flint and extends out to key areas in Genesee County such as the Genesee Valley Mall. This comprehensive coverage equates to a fairly large ridership base. Figure 2 identifies the MTA primary routes and shows a ¼ mile buffer around the routes. The ¼ mile buffer represents a reasonable distance that people are willing to walk to reach a bus stop. There are approximately 121,117 people within the buffer and represents the MTA's primary route ridership base. While the ¼ mile is feasible, the 2007 On-Board Transit Survey shows that the median distance people are walk to a bus was 1.9 blocks, or 1/10 of a mile.

According to the 2010 American Community Survey, 24.8% of occupied housing units in the City of Flint have two cars and 20.1% have no car. When compared to similar size cities in Michigan such as Grand Rapids and Lansing, the number of two-vehicle housing units is 10% less in the City of Flint. Additionally, the number of housing units with no available vehicles in the City of Flint is approximately 10% more than Lansing and Grand Rapids.

The 2007 On-Board Transit Rider survey identified that 64% of fixed-route passengers lived in households with no car while only 5% of households had access to two cars. This illustrates that car ownership was significantly lower for those individuals more reliant on transit services. Individuals surveyed may have less transportation options or are limited by the number of working family members in their household using the vehicle.

Number of Vehicles Available Per Housing Unit				
	0	1	2	3 or more
Flint	20.10%	48.20%	24.80%	6.90%
Lansing	10.50%	45.10%	34.70%	9.80%
Grand Rapids	12.90%	39.60%	36.90%	10.60%

Table 2: Vehicle Ownership, 2010 U.S. Census

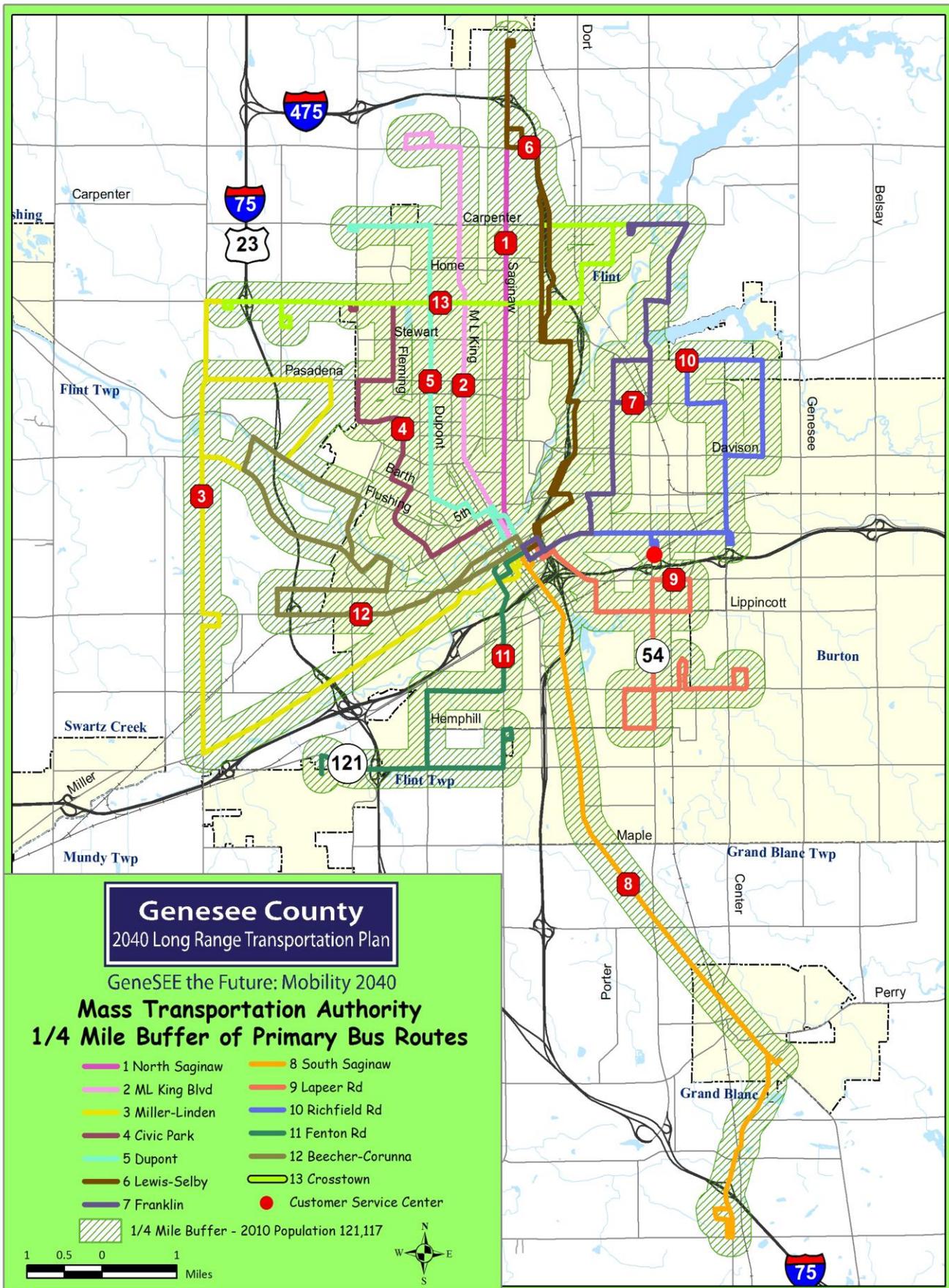


Figure 2: MTA 1/4 Mile Buffer of Primary Bus Routes

Other Growth Areas

Senior Citizens

The population of senior citizens in Genesee County is continuing to grow due to the aging “baby boomer” population. Between 2000 and 2010, the number of persons age 65 years and over living in the County increased by approximately 7,500, while the total County population decreased by roughly 10,000 residents. Furthermore, additional data from the 2010 U.S. Census indicates that 17% of Genesee County residents and 13.5% of Flint residents were 62 years of age or older. In the City of Flint during the same time period, the percentage of persons age 65 years and over living in the City increased by 0.2%, while the total City population decreased by roughly 22,000 residents.

The population age 65 and up is healthier, wealthier, and better educated than persons in this age group in past generations; indicating a population that will remain mobile. However, certain segments are vulnerable. There is substantial variation in the effects of aging. Approximately 37% of the state's population aged 65 and over reported having a disability in the 2010 U.S. Census. Elderly persons with disabilities and the oldest elderly (85+) constitute a likely population for the MTA's demand response service, YourRide. Approximately 15% of Your Ride passengers are seniors as mentioned in the MTA's Five Year Plan.

Disabled Population

Persons with disabilities are a significant client group and important base of support within the community. Many of these individuals rely on public transportation as their sole means of transportation. According to the U.S. Census, 39% of Genesee County's population aged 65 and over reported having a disability, which is higher than the State of Michigan's figures. Persons with disabilities have used MTA services in increasing numbers, and comprise nearly fifty percent (50%) of all Your Ride passengers.

Work Related Transportation

People going to and from work are a significant share of MTA ridership. The MTA's Five Year Plan states that “work rides account for approximately 15% of primary fixed route trips, 30% of Your Ride trips, and close to 100% of regional route rides.” The loss of local jobs has made transportation to work sites outside of Genesee County a growing need.

Educational Support

As the population ages and there are fewer young people, school enrollments begin to decrease. The Genesee Intermediate School District (GISD) reports that countywide school enrollment has declined over the last 10 years. Between 2003 and 2013, total enrollment decreased from 85,213 to 70,475 respectively, a 17% reduction overall. Despite the decrease, Charter school enrollment is rising and so is the need for public transportation to transport students.

The expansion in secondary education institutions in the City of Flint presents a growth opportunity for public transit. Student housing options in Downtown Flint are increasing with the Riverfront Residence Hall, for example, recently opening up. Students attending the University of Michigan-Flint, Baker College, Kettering University, and Mott Community College all have the option of residing in close proximity to their campuses. Students who need to commute to class, restaurants, or businesses will tend to rely on the local public transit.

Non-Emergency Medical Transportation

There is a growing need for individuals who require medications or visits to doctor's offices and have no form of transportation to accomplish these tasks. The MTA's Five Year Plan reports that "medical trips comprise approximately 5% of fixed route trips and 17% of all paratransit trips." In 2014, the MTA will be introducing a new service to



provide non-emergency medical transportation to clients residing in Genesee County. This higher level of care service, Your Ride Plus, will be door to door and door thru door service and every ride will have an attendant. Eventually, the service will not only be offered to residents of Genesee County but extend out to Lapeer and Shiawassee.

2007 On-Board Transit Survey

The primary purpose for conducting the 2007 On-Board Transit Survey of the Mass Transportation Authority's (MTA) fixed route ridership was to collect and analyze accurate travel data from people who use the MTA's fixed public transportation services in the Flint area. There were a total of 775 surveys received. The data was originally used in the development of the transit portion of the 2035 Genesee County Transportation Model with

2005 as the base year. Since 2005 continues to represent the base year in the 2040 Transportation Model, it was pertinent to include the survey again.

Of the riders surveyed:

- Over 72% live in multi-person households
- Have a median age of 35
- Over 60% have a household income less than \$20,000 (27.74% did not respond)
- Over 61% traveled one block or less to get from their trip origin to a bus
- Over 62% traveled one block or less to get from the bus to a destination
- 1.9 blocks was the mean distance traveled to get to a bus or destination of a bus
- Over 64% lived in households with no car
- Over 19% lived in households with only 1 car

The survey shows that the majorities of the current riders travel a short distance to both the bus and to their destination, have a relatively low household income, and live in multi-person households with one or fewer cars. These demographics are representative of a good portion of the Flint population identified within the ¼ mile buffer previously discussed.

Transit Model – Fixed Route Trends

This is the second transportation model that has incorporated a transit element in Genesee County. The transit component directly models only the fixed route system. Using the transit component in the transportation model, staff looked at the fixed route trends for 2005 and predicted the trends for 2040. Transit model data between the years 2005 and 2040 visually show a decrease in total transit flow. Potential causes for this reduction may be anticipating a continued population loss in the City of Flint, where MTA's fixed routes primarily run. The following maps illustrate the AM, Midday, PM, and Total Flow trends.

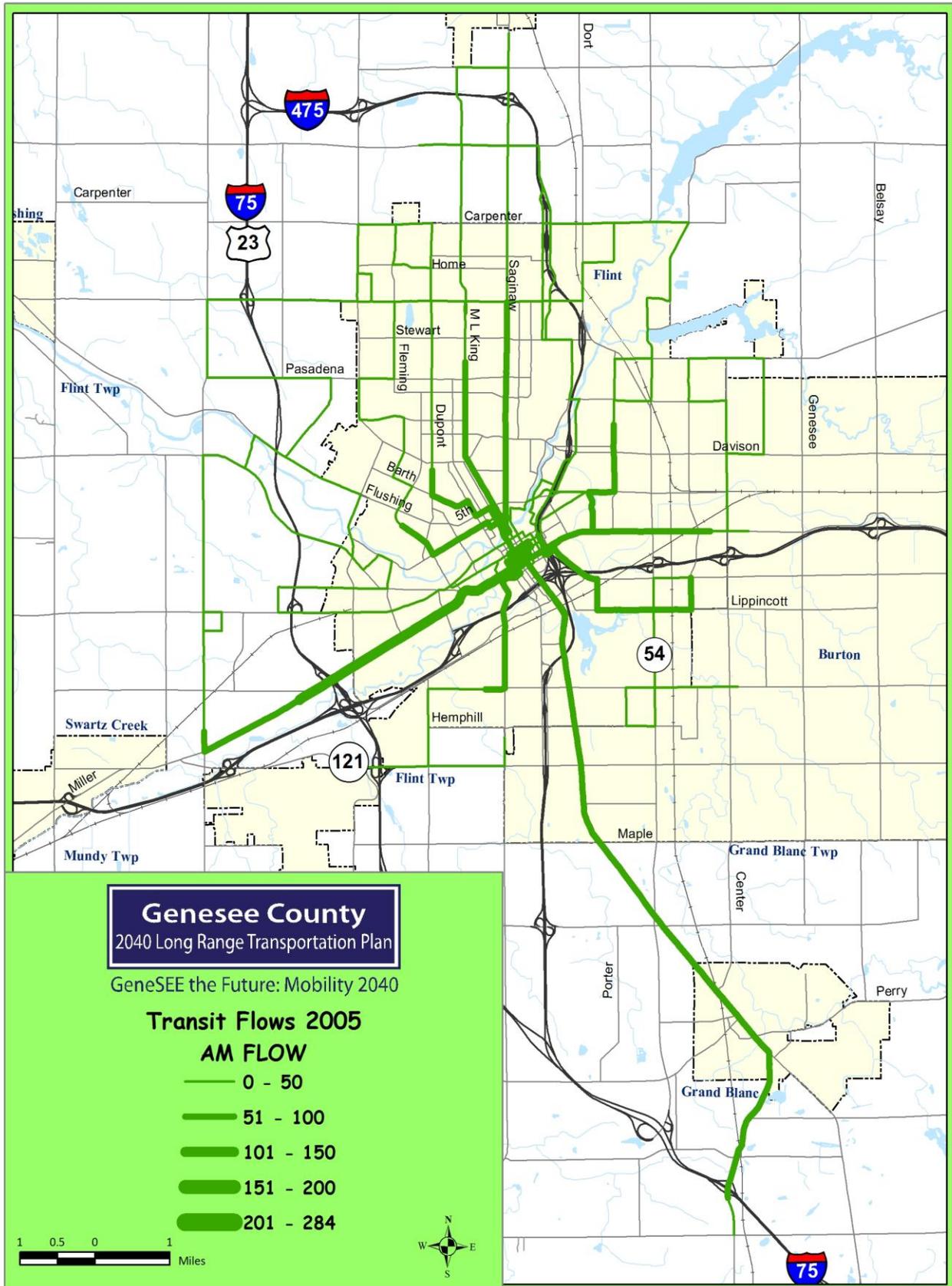


Figure 3: 2005 AM Transit Flows

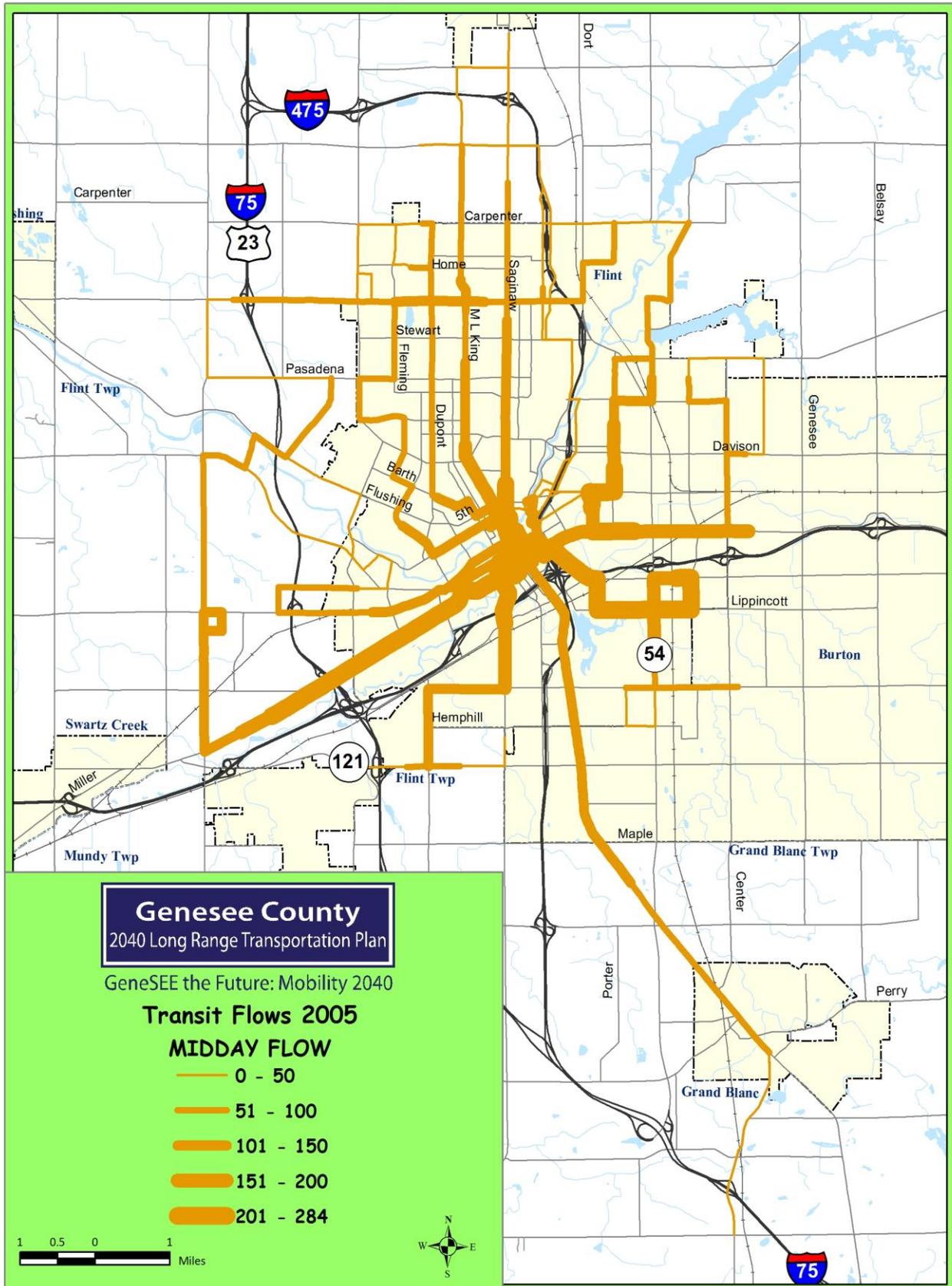


Figure 4: 2005 MIDDAY Transit Flows

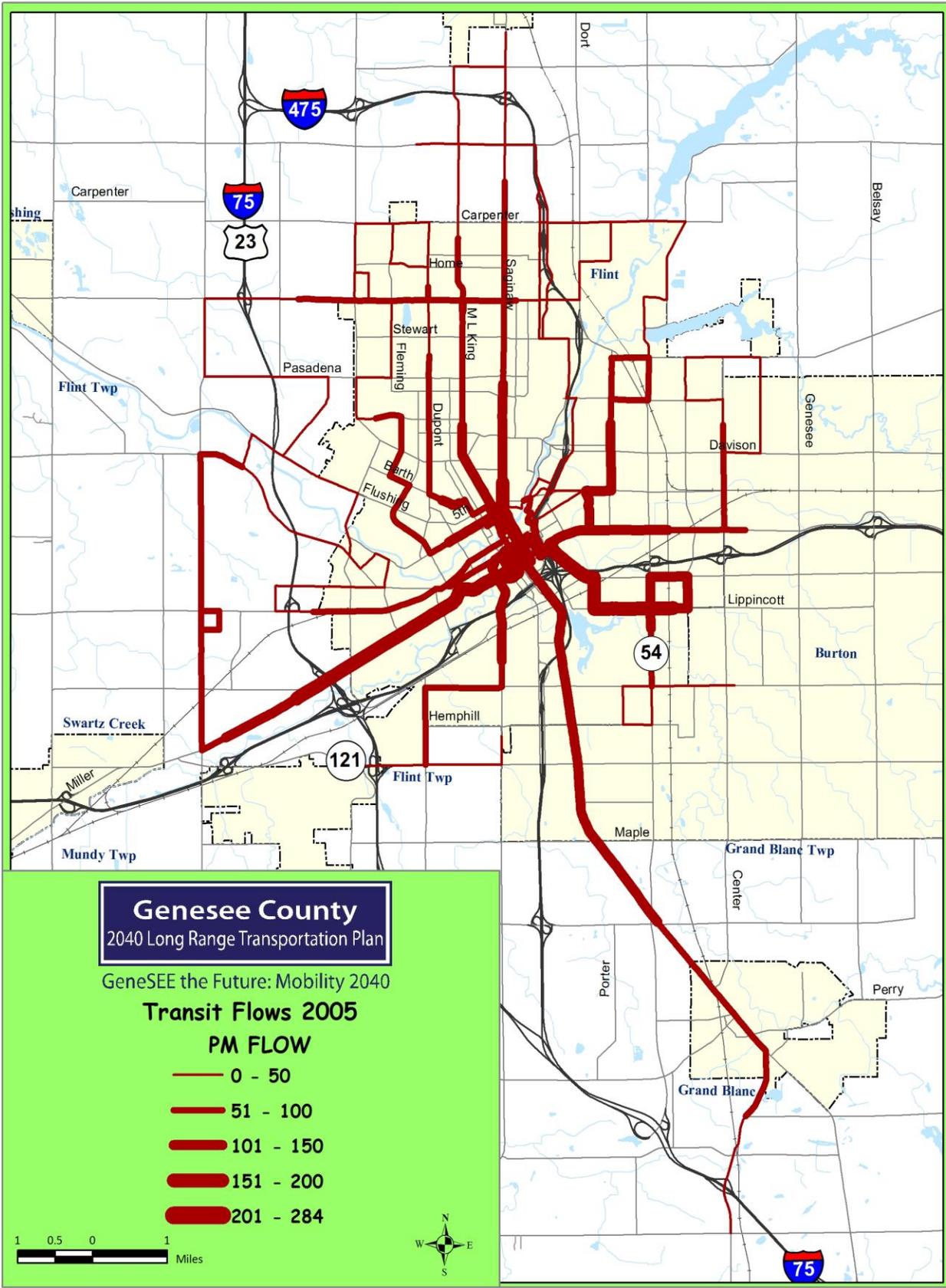


Figure 5: 2005 PM Transit Flows

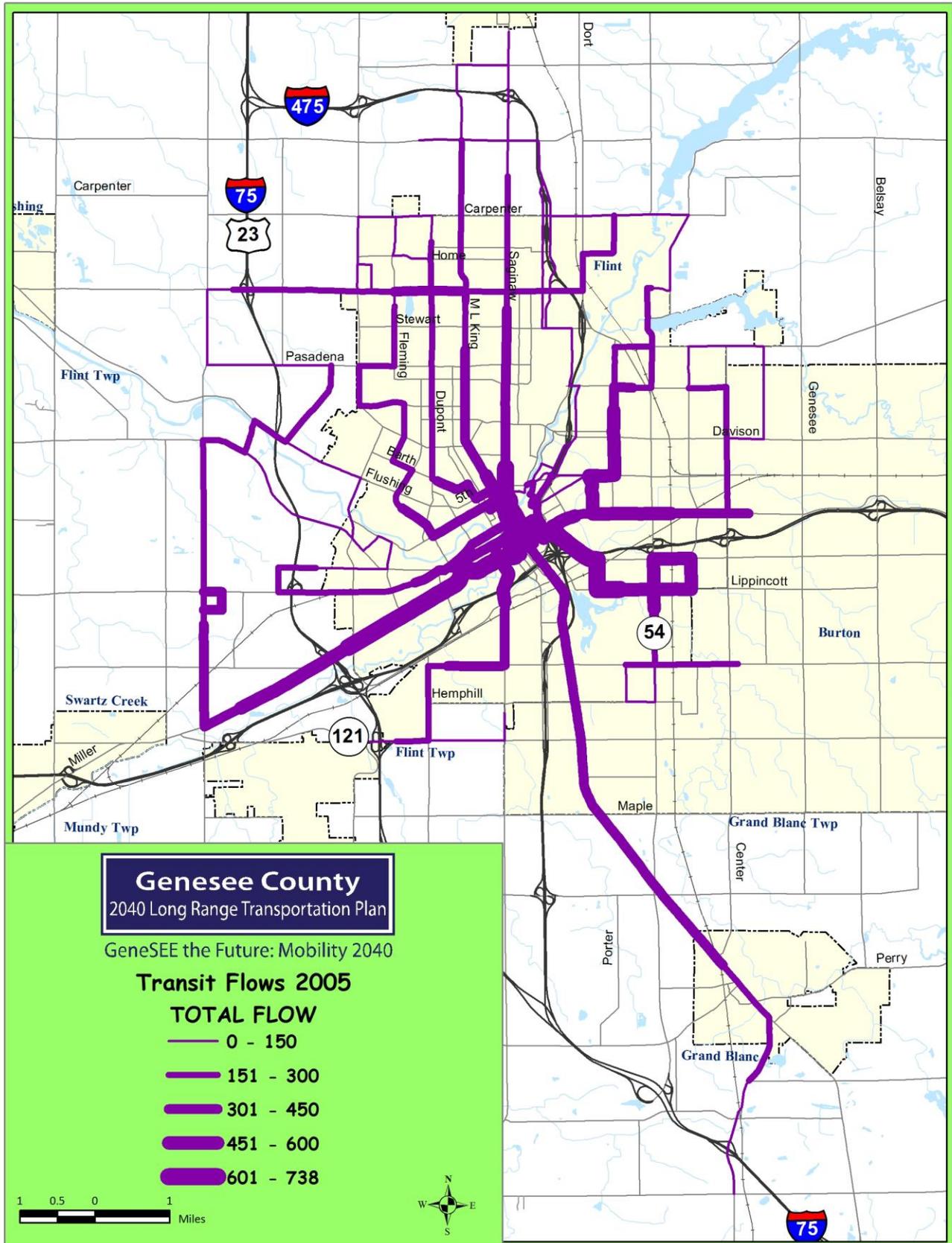


Figure 6: 2005 Total Transit Flows

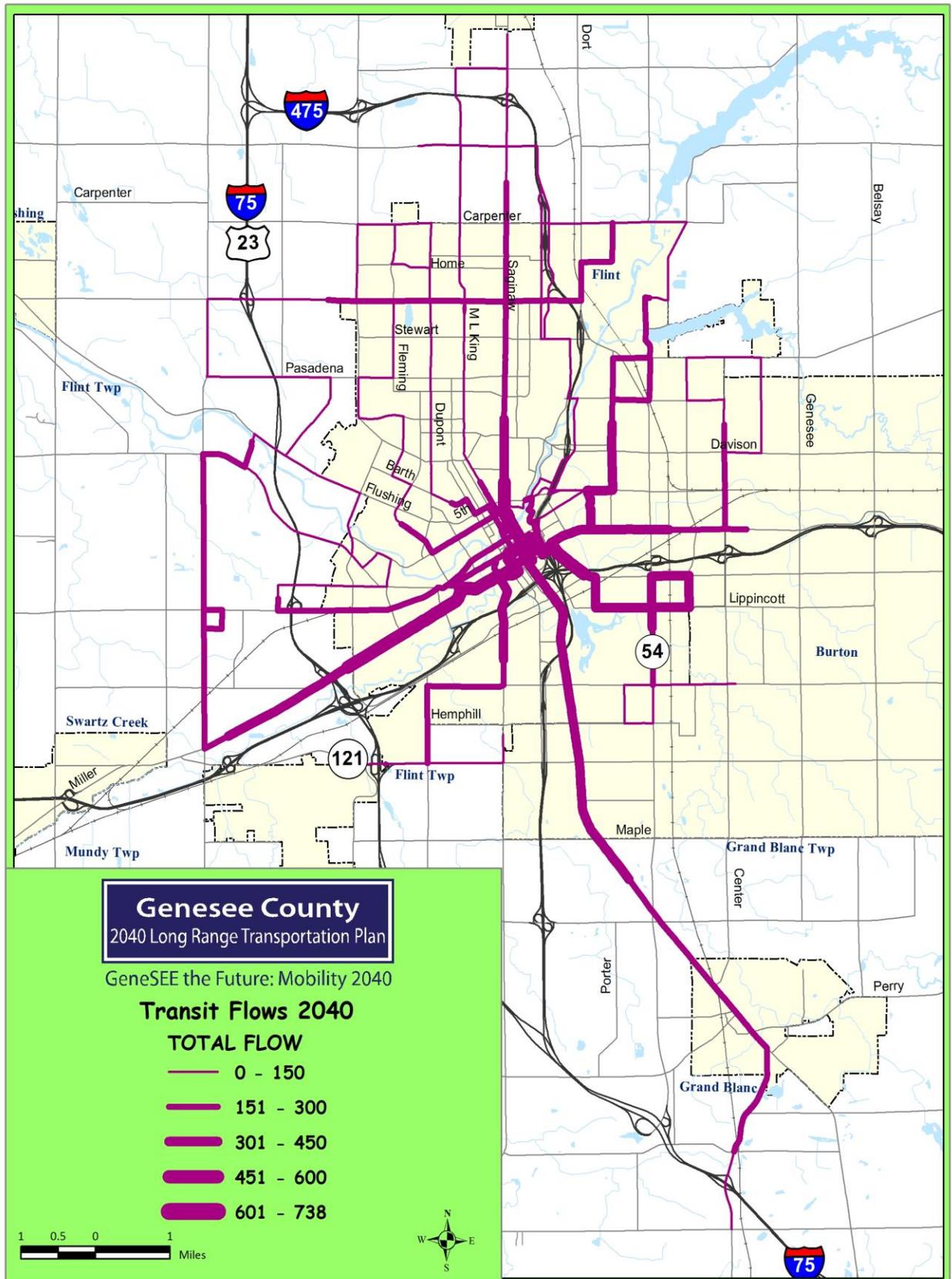


Figure 7: 2040 Total Transit Flows

MTA Initiatives

Intelligent Transportation Systems

The Flint Mass Transportation Authority (MTA) has worked diligently to identify and adopt appropriate Intelligent Transportation System solutions to improve the effectiveness and efficiency of transit service in and around Genesee County. The 2005 Intelligent Transportation System Architecture and Deployment Plan is a major initiative by the MTA to plan short and long-term approaches to deploying Intelligent Transportation Systems technologies.

In recent years, MTA has made significant progress with the installation of transit management techniques including computer aided dispatch (CAD) equipment and automatic vehicle location (AVL) components. Additionally, all MTA vehicles both paratransit and fixed route are equipped with Mobile Data Terminals (MDTs). Currently paratransit vehicles are using this technology, while fixed route setup and testing will occur through 2014. The MTA's wireless internet, phone, and radio systems operate on 3 frequencies (450, 800, & 900 MHz) provided by their communications tower. This utility serves point-to-point contact connections to all service centers owned by MTA in Genesee County. The MTA's most recent ITS projects also utilize the tower's services and other local municipalities and agencies have the option to improve ITS communications by leasing space on the tower. Upgrades to the MTA's phone system have been a major initiative, improving not only internal communications but resolving concerns in the Your Ride Call Center.

At the end of 2013, an Enterprise Asset Management (EAM) system was introduced and will soon be fully integrated for the purchasing and finance departments. EAM software allows agencies to service their fleet by electronically keeping track of parts, services, and labor to have a more efficient and effective maintenance department. In fiscal year 2014, both an Interactive Voice Response (IVR) system and a Network Video Recording (NVR) system will be installed on transit vehicles. These ITS upgrades will help improve overall data collection, transit scheduling, and passenger security. In the summer of 2014, the MTA will begin a technology assessment plan to determine the future course of MTA technology based on current need and future demand in service.

Security and Emergency Preparedness

To continue to ensure that security and emergency preparedness stay current, the MTA are in the process of updating their System, Security, and Emergency Preparedness Plan (SSEPP) according to MAP-21 requirements. The overall goal of the SSEPP is to maximize the level of security afforded to all passengers, employees, as well as vehicles and facilities. Additionally, many aspects of the revised plan “will address continuity of operations in the event of an emergency, including the need for a back-up center and replacement server room in the event of a severe disaster at the Dort facility server room. This will lower the costs of disaster recovery and reduce overall risk of the main server room failing,” according to MTA’s Five Year Plan. As technology infrastructure grows and becomes more integrated with the day-to-day operations of MTA, a new facility will be necessary to accommodate the growth.

I-69 / I-75 Corridor

One major goal listed in the MTA Five Year Plan is to expand MTA specialty services and revenue sources. The MTA further explains a strategy where the agency intends to “commission studies of the I-69 and I-75 corridor from Port Huron to Lansing and Bay City to Detroit to determine the transportation needs that exist and assist in developing a plan for the future.” The I-75 Corridor Study will begin in 2014 and run through 2015.

Alternative Fuel Investment

In fiscal year 2012, the MTA completed construction of their four alternative (propane) fueling stations at the Grand Blanc service center and began the replacement of older transit vehicles with alternative fuel vehicles. The overall goal will be for a reduction in costs as the current transit fleet is replaced with fuel-efficient vehicles that require less maintenance. To further invest their resources, the MTA plan to acquire two additional hydrogen fuel cell busses in fiscal year 2014.

Moreover, the MTA has recently acquired 16 new diesel-electric hybrid New Flyer buses to operate on the primary fixed routes and 13 Ford C-Max hybrid-electric cars to assist passengers who are not able to ride on other paratransit vehicles. One large benefit of the C-Max vehicles is the fuel efficiency when trips are made from the out-county service centers. In FY 2014, the MTA will receive two new diesel-electric hybrid buses to add to the existing fleet.

Performance Measures

A key feature of MAP-21 is the establishment of a performance-and-outcome-based program. The objective of this performance-and-outcome-based program is for states and Metropolitan Planning Organizations (MPO) to invest resources in projects that collectively will make progress toward the achievement of the national goals. MAP-21 requires state Department of Transportation (DOT) agencies to establish performance measures within 18 months of enactment of MAP-21. Within 180 days of performance targets being set by states or providers of public transportation, MPOs are required to set performance targets in relation to the performance measures (where applicable). These targets are required to be included in the MPO's Long Range Transportation Plan.

At the time the Genesee County 2040 Long Range Transportation Plan was developed and approved, no official federal guidance on the performance measure requirements of MAP-21 had been released. Also, the State of Michigan did not have performance targets in place. The Genesee County Metropolitan Alliance recognizes these MAP-21 requirements. Without official federal guidance in place, (and without targets set at the state level), the MPO through the Long Range Transportation Plan (LRTP) and the Transportation Improvement Program, has established funding goals that generally target the areas specified. These goals were established in the LRTP and implemented through the 2014-2017 TIP as closely as possible given the limitations on the availability and restrictions of local, state, and federal funding sources. Staff will also continue to gather data for the development of performance measures, such as the overall transit performance in Genesee County (see chart below), in preparation for more specific guidance at the federal and state level of government. More detailed ridership performance is provided in Appendix B of this summary report.

MTA Transit Performance					
	Fixed Routes			Demand Response	Total
	Primary	Peak	Regional	Paratransit (Your Ride)	
FY 2009	4,515,827	461,281	176,965	665,153	5,819,226
FY 2010	4,491,146	532,688	165,897	599,569	5,789,300
FY 2011	4,867,169	619,663	196,871	538,183	6,221,886
FY 2012	4,867,953	644,995	183,160	470,268	6,166,376
FY 2013	4,858,166	640,380	189,990	475,585	6,164,121

Table 3: MTA Transit Performance

During the previous LRTP update, a ¼ mile buffer map over MTA's primary fixed routes was created using 2000 U.S. Census population data. In the current LRTP update and this summary report, a new map Figure 2 was generated using 2010 U.S. Census population data. Between the two datasets, the coverage area within the ¼ mile buffer reduced in population by 12.5%, from 138,343 to 121,117.

Primary Fixed Route Coverage Area			
	2000	2010	% change
¼ Mile Buffer Population	138,343	121,117	-12.5%

Table 4: Buffer Population Comparison

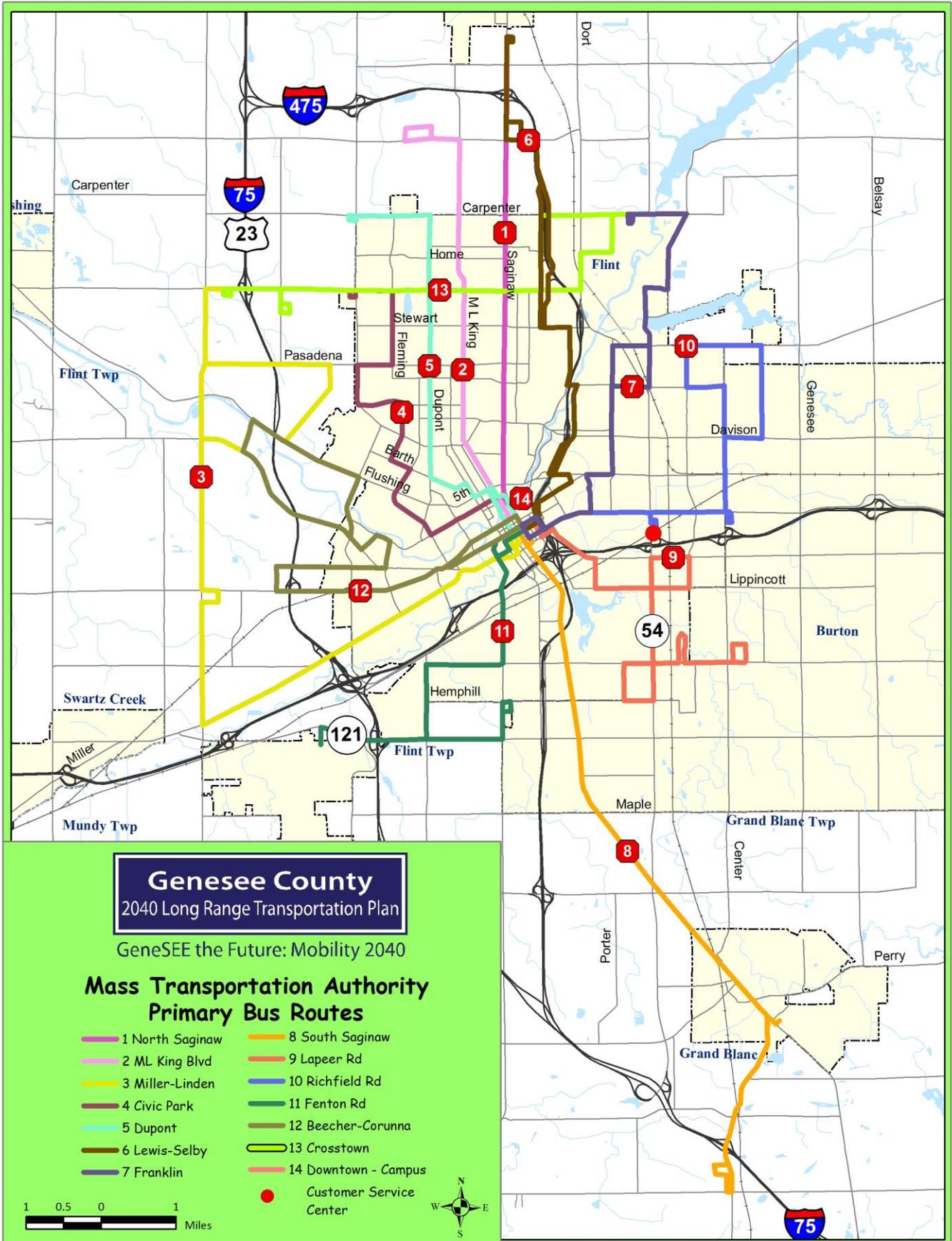
Recommendations

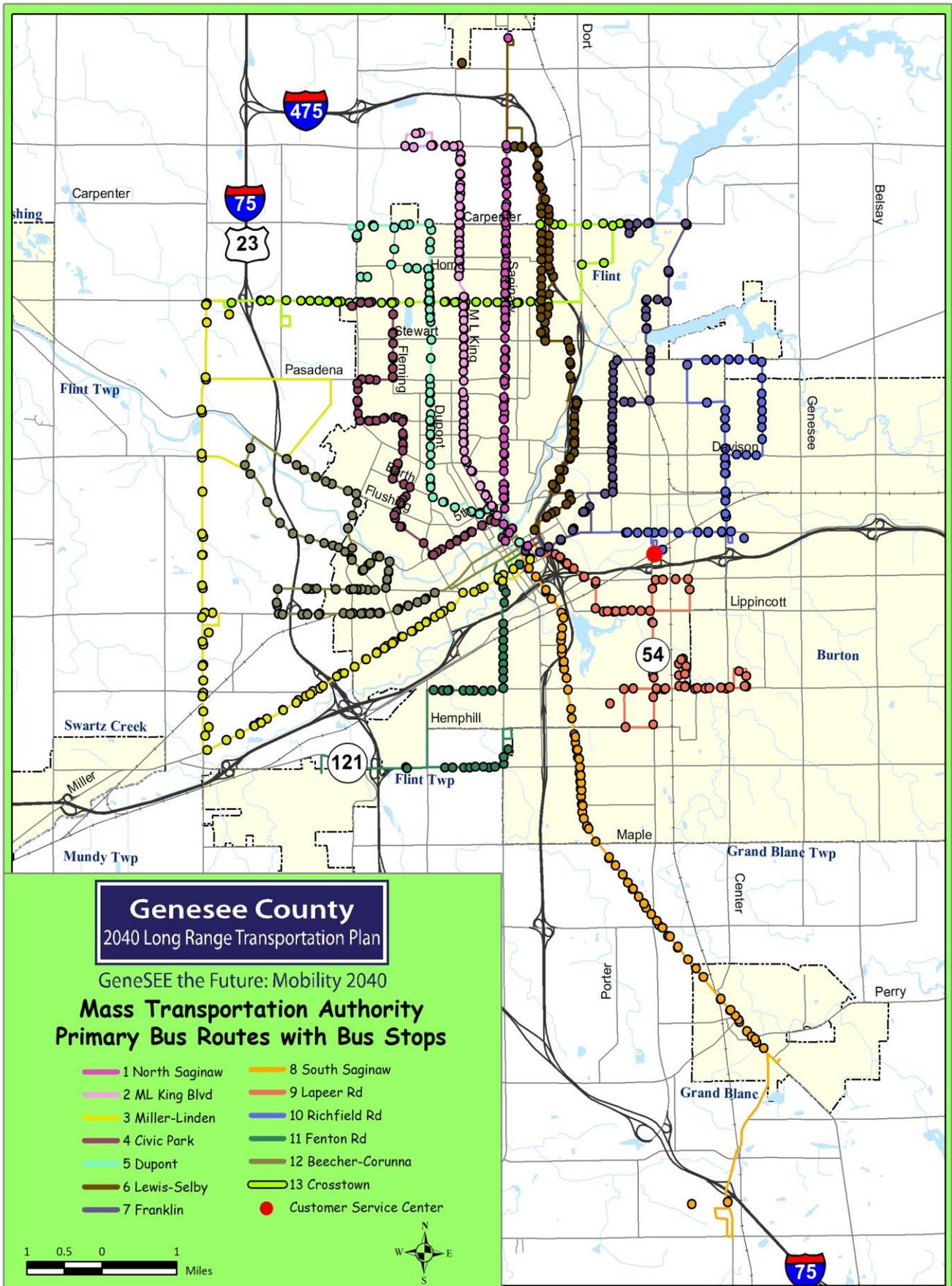
The following steps represent current and future actions to occur within Genesee County:

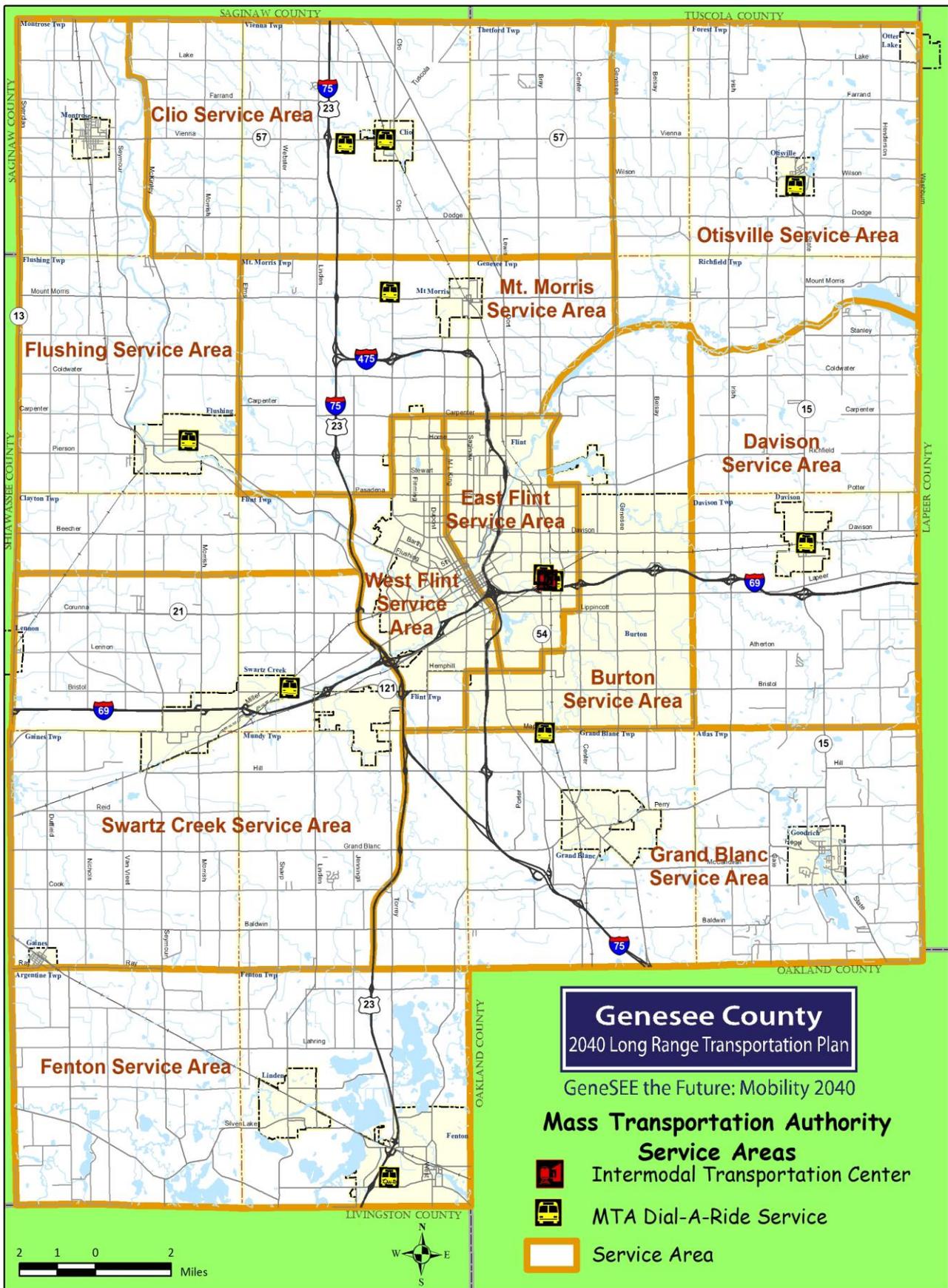
- Continue transit-oriented surveys to identify needs of the community.
- Continue to seek funding to address transit-related needs of the community.
- Work to increase safety and security for transit riders on and off the vehicle.
- Continue to develop Your Ride operations to address the increasing demand for service
- Continue to implement transit related Intelligent Transportation Systems (ITS) to make the transit system more effective, efficient, safe, and secure.
- Continue to invest in transit technologies that make the use of transit more energy efficient.

Appendix A

MTA Service Maps







Appendix B

MTA Ridership

MASS TRANSPORTATION AUTHORITY
RIDERSHIP - FISCAL YEAR '09

ROUTE	SERVICE	2008 OCT	NOV	DEC	2009 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
0	SENIOR SHOPPER SERV	1,401	929	1,409	1,320	1,301	1,303	1,231	1,274	1,336	1,225	1,149	1,064	14,942
1	NORTH SAGINAW	54,087	41,564	36,164	38,970	40,058	42,955	41,063	38,043	37,515	38,433	39,984	44,781	493,617
2	KING AVENUE	46,160	35,611	36,867	36,487	38,300	39,235	35,352	35,138	32,464	33,308	33,928	36,791	439,641
3	MILLER-LINDEN	41,733	30,343	24,754	24,135	25,677	25,821	24,031	24,731	25,707	35,093	33,972	36,080	352,077
4	CIVIC PARK	45,297	35,070	37,006	37,453	38,918	42,367	37,292	37,284	35,932	32,767	34,966	37,594	451,946
5	DUPONT	44,808	33,021	31,161	34,485	34,527	35,333	32,203	31,073	29,818	31,560	32,127	35,485	405,601
6	LEWIS-SELBY	14,939	11,799	10,761	11,373	11,274	12,998	12,122	11,346	11,511	12,137	11,319	10,935	142,514
7	FRANKLIN	44,429	33,831	32,112	35,580	36,553	35,700	34,853	33,135	32,811	31,343	29,398	41,017	420,762
8	SOUTH SAGINAW	27,709	20,738	19,760	21,028	21,128	24,163	23,479	23,521	20,946	19,907	21,678	26,118	270,175
9	LAPEER ROAD	44,341	34,986	33,128	33,259	34,270	36,861	33,018	33,250	32,860	33,585	33,308	36,557	419,423
10	RICHFIELD ROAD	29,989	23,670	24,467	23,034	23,854	22,452	21,771	22,943	21,956	21,148	21,713	22,520	279,517
11	FENTON ROAD	30,131	21,908	19,168	22,346	22,397	22,603	23,480	21,967	21,128	21,030	20,742	22,797	269,697
12	BEECHER ROAD	43,450	34,383	31,222	31,501	34,941	35,758	34,524	33,183	31,731	31,368	31,314	35,466	408,841
13	CROSTOWN-NORTH	15,728	12,758	11,954	11,725	11,416	12,462	11,832	11,096	10,854	9,862	10,104	12,767	142,558
14	U OF M SHUTTLE	480	402	443	782	754	699	445	131	41	0	0	339	4,516
	TOTAL FIXED ROUTE	484,682	371,013	350,376	363,478	375,368	390,710	366,696	358,115	346,610	352,766	355,702	400,311	4,515,827
	PEAK PERIOD SERVICE	68,540	43,309	35,958	47,341	47,979	55,909	42,714	49,482	19,772	0	0	50,277	461,281
	REGIONAL ROUTES	22,763	16,745	16,135	15,311	17,051	16,949	14,699	13,480	11,578	10,558	10,747	10,949	176,965
	CURB TO CURB SERVICE													
	BURTON	5,490	4,464	4,073	4,833	4,704	5,062	4,580	4,805	3,645	2,949	2,417	2,659	49,681
	CLIO	2,944	2,407	2,250	2,443	2,541	2,892	3,040	2,969	3,016	2,895	2,259	2,208	31,864
	DAVISON	5,158	4,282	4,263	4,478	4,586	4,795	4,413	4,257	4,506	4,673	3,330	3,123	51,864
	EAST FLINT	10,235	8,379	7,646	8,539	8,427	9,068	8,775	8,899	8,300	7,940	6,695	7,080	99,983
	FENTON	6,012	4,774	4,878	4,745	4,547	5,035	4,594	5,273	3,665	2,871	2,631	3,584	52,609
	FLUSHING	4,928	3,856	3,617	4,003	3,839	4,409	4,276	4,327	3,421	3,004	2,377	2,322	44,379
	GRAND BLANC	5,521	4,181	3,605	4,388	4,193	4,750	4,412	5,023	3,605	4,236	3,162	3,509	50,585
	MT. MORRIS	11,241	8,503	7,207	7,763	7,887	8,341	7,491	7,465	6,244	5,475	4,441	4,456	86,514
	OTISVILLE	1,973	1,840	1,576	1,883	1,744	1,898	1,923	2,021	1,862	1,770	1,830	1,759	22,079
	SWARTZ CREEK	6,888	5,173	4,603	5,590	5,588	6,067	5,205	5,262	3,375	2,729	2,421	2,648	55,549
	WEST FLINT	7,884	6,840	6,249	7,002	7,046	8,113	7,534	7,564	6,982	6,730	5,743	5,926	83,613
	SENIOR CARE	2,701	2,618	2,894	3,085	3,380	3,629	3,346	3,205	3,020	2,861	2,738	2,956	36,433
	TOTAL CURB TO CURB	70,975	57,317	52,861	58,752	58,482	64,059	59,589	61,070	51,641	48,133	40,044	42,230	665,153
	MTA TOTAL	646,960	488,384	455,330	484,882	498,880	527,627	483,698	482,147	429,601	411,457	406,493	503,767	5,819,226
	MTA TRANSFERS	123,423	96,301	92,687	96,375	95,007	97,136	91,411	89,410	87,166	87,686	88,354	97,591	1,142,547
	CONTRACTED SERVICES	395	393	340	639	810	810	759	636	579	667	585	585	7,198
	INTER-CITY BUSES	2,037	2,578	2,521	2,129	2,135	2,161	2,102	2,049	2,851	2,418	2,187	1,770	26,938
	AMTRAK	2,041	2,126	2,473	1,735	1,621	2,014	2,293	2,035	2,180	2,742	2,550	1,818	25,628
	GRAND TOTAL	651,433	493,481	460,664	489,385	503,446	532,612	488,852	486,867	435,211	417,284	411,815	507,940	5,878,990

RECEIVED
GENESEE COUNTY

NOV 04 2009

METROPOLITAN
PLANNING COMMISSION

MASS TRANSPORTATION AUTHORITY
RIDERSHIP - FISCAL YEAR 2010

NOV 05 2010

METROPOLITAN
PLANNING COMMISSION

ROUTE	SERVICE	2009 OCT	NOV	DEC	2010 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
0	SENIOR SHOPPER SERV	1,208	1,190	1,312	1,045	1,250	1,344	1,125	1,034	1,062	593	604	1,418	13,185
1	NORTH SAGINAW	45,175	38,479	34,821	34,993	34,977	36,852	37,972	35,383	36,573	33,609	36,553	39,291	444,678
2	KING AVENUE	39,615	35,291	32,909	34,247	32,952	35,999	32,985	31,768	32,263	30,951	31,000	33,947	403,927
3	MILLER-LINDEN	37,190	34,787	37,420	34,155	35,719	40,142	35,704	34,032	35,537	36,471	38,129	39,062	438,348
4	CIVIC PARK	39,670	34,119	36,064	34,175	34,159	40,407	35,805	34,831	34,205	32,265	31,945	35,818	423,463
5	DUPONT	39,123	35,184	35,241	35,448	34,950	39,889	35,032	33,952	33,203	32,182	30,976	38,330	423,510
6	LEWIS-SELBY	11,888	10,109	10,887	11,683	10,621	11,836	11,346	10,175	10,205	10,473	10,470	10,372	130,065
7	FRANKLIN	44,990	38,202	35,712	38,677	37,106	41,989	37,862	34,987	34,341	28,899	29,701	41,042	443,508
8	SOUTH SAGINAW	28,160	22,636	22,818	21,255	20,989	26,547	24,264	24,419	24,160	23,003	24,884	27,047	290,182
9	LAPEER ROAD	37,635	32,819	33,175	33,058	32,001	37,499	35,972	34,227	34,298	32,706	34,057	38,459	415,906
10	RICHFIELD ROAD	24,547	21,625	22,045	20,109	19,796	22,933	21,106	19,763	20,908	20,480	19,705	21,530	254,547
11	FENTON ROAD	26,773	22,605	20,784	22,079	21,697	25,323	24,073	21,697	22,165	21,581	21,839	25,144	275,760
12	BEECHER ROAD	36,778	32,138	30,699	32,102	31,419	38,231	32,974	32,604	31,486	30,744	30,659	38,440	398,274
13	CROSSTOWN-NORTH	14,207	11,246	12,016	10,998	10,715	12,668	10,333	10,523	9,866	8,580	9,683	11,595	132,430
14	U OF M SHUTTLE	477	371	198	519	470	451	365	178	0	0	23	311	3,363
	TOTAL FIXED ROUTE	427,436	370,801	366,101	364,543	358,821	412,110	376,918	359,573	360,272	342,537	350,228	401,806	4,491,146
	PEAK PERIOD SERVICE	66,932	51,434	48,168	54,704	43,427	68,607	45,701	57,615	33,045	749	48	62,258	532,688
	REGIONAL ROUTES	12,533	11,817	13,597	14,108	15,139	16,334	14,704	13,571	13,652	13,077	13,371	13,994	165,897
	CURB TO CURB SERVICE													
	BURTON	3,231	5,830	2,802	2,986	2,883	3,577	3,487	3,622	3,192	3,095	2,919	3,423	41,047
	CLIO	2,300	1,933	1,985	1,980	2,056	2,462	2,290	2,307	2,432	2,214	2,247	2,165	26,371
	DAVISON	9,070	3,279	3,566	3,567	3,488	4,228	4,011	4,012	3,768	3,340	3,725	3,981	50,035
	EAST FLINT	3,287	8,125	7,776	7,836	7,418	9,246	8,550	8,470	8,368	7,565	7,174	6,624	90,439
	FENTON	4,416	4,132	4,039	4,280	4,134	4,735	4,013	4,111	3,192	2,695	2,679	3,740	46,166
	FLUSHING	4,648	2,511	2,843	2,965	2,948	3,728	3,200	3,382	2,988	2,719	2,865	2,721	37,518
	GRAND BLANC	4,416	3,784	3,857	4,281	4,376	5,565	4,740	5,053	4,230	3,888	3,701	3,649	51,540
	MT. MORRIS	3,499	5,754	5,968	5,797	5,772	7,451	6,306	6,418	5,732	4,569	5,053	4,934	67,253
	OTISVILLE	4,142	1,456	1,473	1,522	1,500	1,795	1,712	1,770	1,703	1,771	1,796	1,934	22,574
	SWARTZ CREEK	7,829	3,843	3,459	3,984	3,810	4,807	4,277	4,462	3,097	3,888	2,675	4,419	50,550
	WEST FLINT	5,901	6,882	6,408	6,377	6,037	7,705	6,888	6,931	7,101	5,967	5,514	5,948	77,659
	SENIOR CARE	2,928	2,904	3,033	2,777	2,794	3,282	3,243	3,260	3,668	3,472	3,568	3,488	38,417
	TOTAL CURB TO CURB	55,667	50,433	47,209	48,352	47,216	58,581	52,717	53,798	49,471	45,183	43,916	47,026	599,569
	MTA TOTAL	562,568	484,485	475,075	481,707	464,603	555,632	490,040	484,557	456,440	401,546	407,563	525,084	5,789,300
	MTA TRANSFERS	105,830	92,932	93,733	93,205	90,096	99,413	90,879	84,401	89,945	86,264	86,556	97,184	1,110,438
	CONTRACTED SERVICES	645	578	679	604	451	562	490	487	522	246	513	465	6,242
	INTER-CITY BUSES	1,813	1,791	2,272	1,520	1,717	1,775	1,670	1,635	1,998	2,015	1,889	1,486	21,581
	AMTRAK	1,668	2,083	2,533	1,981	1,737	2,429	2,736	2,276	2,826	3,870	3,411	2,117	29,667
	GRAND TOTAL	566,694	488,937	480,559	485,812	468,508	560,398	494,936	488,955	461,786	407,677	413,376	529,152	5,846,790

MASS TRANSPORTATION AUTHORITY
RIDERSHIP - FISCAL YEAR 2011

ROUTE	SERVICE	2010			2011										TOTAL
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
0	SENIOR SHOPPER SERV	2,362	2,339	1,428	1,308	1,399	3,065	1,837	2,370	1,838	1054	1,199	2,396	22,595	
1	NORTH SAGINAW	42,409	38,649	37,559	44,890	40,938	48,352	40,787	41,211	43,337	36,756	41,326	40,620	497,544	
2	KING AVENUE	36,802	37,201	34,115	36,062	34,100	40,022	39,841	40,306	36,839	33,021	37,910	38,957	445,576	
3	MILLER-LINDEN	40,213	39,485	40,967	37,530	39,233	44,331	42,113	39,522	41,093	39,679	42,022	40,310	486,798	
4	CIVIC PARK	38,955	37,632	35,008	37,954	34,207	40,750	38,330	38,552	36,992	33,316	35,300	36,837	443,830	
5	DUPONT	38,791	35,074	34,049	35,509	32,003	37,220	32,802	34,481	35,293	36,509	35,433	37,930	422,894	
6	LEWIS-SELBY	12,139	9,969	10,617	11,077	10,417	11,500	11,584	12,082	11,987	10,745	10,847	11,705	134,069	
7	FRANKLIN	44,181	42,105	37,474	42,095	38,333	43,467	41,884	42,877	40,576	32,520	34,529	47,756	487,487	
8	SOUTH SAGINAW	29,083	25,143	26,484	23,385	22,826	30,013	26,359	27,097	28,085	24,896	28,025	28,349	319,651	
9	LAPEER ROAD	43,023	39,082	38,358	41,870	37,203	44,043	40,050	41,423	40,219	35,569	38,498	40,671	480,009	
10	RICHFIELD ROAD	23,073	20,752	20,448	20,415	20,191	24,510	22,872	23,654	23,848	21,703	22,914	23,999	288,379	
11	FENTON ROAD	26,794	24,763	22,044	25,898	23,205	27,978	27,768	27,925	27,281	22,087	23,790	24,160	303,243	
12	BEECHER ROAD	39,603	36,185	28,983	28,221	26,554	34,854	34,893	34,921	36,739	32,983	36,341	35,616	407,853	
13	CROSSTOWN-NORTH	14,048	12,913	12,488	13,200	11,808	13,421	11,975	12,265	10,319	9,309	9,485	11,529	142,458	
14	U OF M SHUTTLE	829	483	338	601	432	497	419	39	0	0	212	536	4,183	
TOTAL FIXED ROUTE		431,905	402,755	380,344	399,825	372,647	443,813	409,814	410,525	416,426	370,417	398,531	421,367	4,867,169	
PEAK PERIOD SERVICE		77,988	66,673	49,806	68,553	52,513	77,549	51,405	73,302	35,197	0	412	66,467	818,663	
REGIONAL ROUTES		16,080	15,739	14,364	16,538	16,798	18,004	17,529	16,782	17,319	16,015	16,784	16,899	196,671	
SPECIAL SERVICE															
CRIM		0	0	0	0	0	0	0	0	0	0	84	0	84	
BACK TO THE BRICKS		0	0	0	0	0	0	0	0	0	0	1,092	0	1,092	
CURB TO CURB SERVICE															
BURTON		4,211	4,162	3,865	4,255	3,876	4,470	3,892	4,165	3,298	3,692	3,230	3,455	45,971	
CLIO		2,424	2,543	2,531	2,899	1,799	2,316	2,196	2,156	2,250	2,120	2,498	2,503	28,035	
DAVISON		4,141	4,233	4,339	4,375	3,392	4,332	4,179	4,388	4,507	3,104	3,483	3,463	47,436	
EAST FLINT		8,663	7,790	7,344	7,852	5,951	6,101	5,373	5,897	6,422	4,297	4,505	5,311	73,726	
FENTON		4,834	4,573	3,715	4,868	3,707	4,460	3,696	4,051	3,152	2,051	2,600	3,478	45,310	
FLUSHING		3,894	3,641	3,275	3,928	2,775	3,240	2,836	3,328	2,783	2,302	2,566	2,351	36,913	
GRAND BLANC		5,317	5,061	4,528	5,441	3,948	4,746	4,144	4,970	4,171	2,884	3,223	3,119	51,494	
MT. MORRIS		6,024	5,978	5,243	5,429	3,787	4,766	4,288	4,846	4,279	3,091	3,806	3,747	54,860	
OTISVILLE		2,045	1,912	1,809	1,973	1,186	1,878	1,395	1,540	1,391	1,276	1,379	1,355	18,940	
SWARTZ CREEK		5,046	5,152	4,190	5,270	3,684	4,312	3,675	4,207	2,856	2,021	2,117	3,583	45,812	
WEST FLINT		6,740	6,733	5,968	6,525	4,588	5,777	5,468	5,543	5,185	4,180	4,332	4,401	65,437	
SENIOR CARE		3,488	1,832	1,907	1,820	1,447	1,766	1,977	2,075	2,150	1,962	2,132	2,073	24,429	
TOTAL CURB TO CURB		56,933	53,348	48,916	54,552	39,020	47,972	42,917	48,863	40,843	32,990	35,571	38,859	538,183	
MTA TOTAL		582,904	538,515	498,049	538,468	478,978	587,138	521,865	555,472	509,585	418,422	453,464	543,592	6,223,072	
MTA TRANSFERS		103,776	96,280	86,488	99,957	92,901	108,432	102,951	101,377	102,198	92,303	87,572	100,819	1,193,144	
CONTRACTED SERVICES		525	500	442	539	490	590	465	534	506	489	491	507	5,988	
INTER-CITY BUSES		1,541	1,850	2,094	1,328	1,976	1,888	1,748	1,850	2,210	1,953	1,987	1,521	21,346	
AMTRAK		2,406	2,907	3,498	2,870	2,226	3,315	3,689	2,849	3,295	3,886	3,829	2,358	36,723	
GRAND TOTAL		687,378	643,772	498,841	543,905	484,180	582,931	527,667	560,605	515,588	424,750	459,991	547,975	6,287,129	

MASS TRANSPORTATION AUTHORITY
RIDERSHIP - FISCAL YEAR 2012

ROUTE	SERVICE	2011 OCT	NOV	DEC	2012 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
0	SENIOR SHOPPER SERV	1,105	1,109	1,210	1,084	1,115	1,194	1,113	1,009	1,000	932	1,120	928	12,918
1	NORTH SAGINAW	44,304	41,265	40,099	41,967	44,300	45,296	38,954	40,081	40,388	41,248	45,477	39,444	501,923
2	KING AVENUE	41,760	37,495	37,887	40,019	38,390	40,738	36,601	36,026	33,977	29,265	32,594	34,662	439,434
3	MILLER-LINDEN	44,287	42,095	46,379	42,536	42,120	44,749	39,901	39,915	40,769	36,702	41,488	40,009	500,950
4	CIVIC PARK	41,135	38,426	37,648	37,646	36,713	38,746	33,493	33,669	32,575	30,916	33,553	36,573	431,095
5	DUPONT	37,550	34,623	33,794	36,307	37,520	38,350	35,039	34,959	33,428	33,096	34,402	36,780	427,848
6	LEWIS-SELBY	13,190	12,042	10,867	11,785	11,387	11,321	10,541	10,061	10,387	10,603	11,459	11,409	135,052
7	FRANKLIN	47,749	43,479	37,768	40,428	46,916	40,156	38,541	38,830	34,156	29,985	33,109	41,393	472,510
8	SOUTH SAGINAW	29,428	26,461	26,700	24,297	24,973	25,792	24,792	26,593	25,260	22,508	24,426	25,943	307,173
9	LAPEER ROAD	46,503	42,629	39,987	42,936	42,201	41,838	38,122	38,491	36,503	33,627	37,907	38,010	478,754
10	RICHFIELD ROAD	26,768	25,131	24,756	24,602	27,171	27,574	23,459	24,044	23,996	21,919	25,951	23,551	298,922
11	FENTON ROAD	29,384	25,493	24,437	26,106	24,843	24,888	24,135	23,770	22,148	21,281	24,176	22,174	292,835
12	BEECHER ROAD	40,847	36,333	34,025	34,436	36,893	36,659	34,242	38,054	34,259	33,618	34,975	37,632	431,973
13	CROSTOWN-NORTH	13,482	12,014	11,877	11,818	12,129	12,479	11,005	11,136	9,993	7,695	8,638	11,578	132,944
14	U OF M SHUTTLE	542	567	276	503	438	521	336	0	0	0	0	437	3,622
TOTAL FIXED ROUTE		458,034	419,162	407,710	418,470	427,110	430,303	389,376	396,638	377,939	353,395	389,275	400,541	4,867,953
PEAK PERIOD SERVICE		77,312	71,707	58,651	72,460	63,674	78,601	54,162	74,168	26,019	3,348	1,697	65,196	644,995
REGIONAL ROUTES		18,050	18,099	16,382	15,704	15,647	16,078	14,052	14,401	13,424	12,608	14,620	14,095	183,160
SPECIAL SERVICE														
	CRIM	0	0	0	0	0	0	0	0	0	0	73	0	73
	BACK TO THE BRICKS	0	0	0	0	0	0	0	0	0	0	940	0	940
CURB TO CURB SERVICE														
	BURTON	4,074	4,009	3,718	4,119	4,046	4,391	3,822	4,253	3,154	2,640	3,330	3,273	44,829
	CLIO	2,515	2,273	2,251	2,432	2,354	2,524	2,289	2,413	2,279	2,150	2,487	2,156	28,123
	DAVISON	3,571	3,590	3,616	3,464	3,277	3,362	3,185	3,313	3,072	2,865	3,304	3,046	39,665
	EAST FLINT	6,763	6,211	5,823	6,775	6,461	7,493	6,563	7,389	5,866	5,360	5,504	6,380	76,688
	FENTON	4,147	4,132	3,513	4,034	4,037	4,427	3,659	4,463	2,674	1,945	2,074	2,832	41,937
	FLUSHING	2,770	2,641	2,525	2,757	2,669	2,933	2,682	2,940	2,549	2,354	2,747	2,392	31,959
	GRAND BLANC	3,105	3,053	2,983	3,344	3,315	3,475	3,189	3,243	3,003	2,865	3,429	3,141	38,165
	MT. MORRIS	4,195	3,961	3,856	4,059	3,955	4,287	3,800	4,295	3,501	3,045	3,572	3,449	45,975
	OTISVILLE	1,354	1,313	1,203	1,399	1,347	1,352	1,276	1,426	1,312	1,185	1,460	1,245	15,812
	SWARTZ CREEK	4,308	4,049	3,299	4,223	4,047	4,542	3,771	4,514	2,569	1,943	2,009	2,784	42,058
	WEST FLINT	4,760	5,043	4,824	5,304	5,950	6,572	5,867	6,417	4,961	4,911	5,407	5,041	65,057
TOTAL CURB TO CURB		41,562	40,275	37,711	41,870	41,458	45,358	40,103	44,666	34,840	31,263	35,323	35,739	470,268
MTA TOTAL		594,958	549,243	518,454	548,504	547,889	570,340	487,693	529,873	482,322	400,614	441,928	515,571	6,167,389
MTA TRANSFERS		107,268	97,666	96,272	98,327	96,502	98,932	89,752	89,313	88,687	86,045	93,469	95,847	1,130,100
CONTRACTED SERVICES		432	482	519	527	524	532	446	457	438	479	563	330	5,709
INTER-CITY BUSES		1,443	1,738	2,009	1,476	1,746	2,005	1,497	1,658	1,728	1,843	1,894	1,415	20,452
AMTRAK		2,667	2,859	3,383	2,517	2,792	3,275	3,889	2,685	3,381	3,489	3,456	2,642	37,045
GRAND TOTAL		599,500	554,302	524,365	553,024	552,951	576,152	503,525	534,883	457,869	406,425	447,841	519,958	6,230,595

MASS TRANSPORTATION AUTHORITY
RIDERSHIP - FISCAL YEAR 2013

ROUTE	SERVICE	2012			2013									TOTAL
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
0	SENIOR SHOPPER SERV	1,144	959	1,008	1,131	996	1,164	1,010	867	744	925	870	869	11,707
1	NORTH SAGINAW	44,687	28,310	36,115	42,115	41,977	42,997	40,365	42,238	37,947	39,158	39,656	40,630	486,093
2	KING AVENUE	39,687	36,972	34,638	36,963	34,960	36,184	34,669	33,801	30,837	30,676	32,068	35,194	416,646
3	MILLER-LINDEN	45,560	44,762	44,102	41,106	41,789	45,307	42,935	43,178	41,480	43,694	46,728	46,155	525,764
4	CIVIC PARK	41,728	36,499	33,098	34,884	34,162	35,065	34,158	36,124	31,110	32,482	33,653	37,927	420,880
5	DUPONT	42,358	39,217	33,643	35,966	33,215	34,907	34,234	34,123	33,213	36,038	34,571	36,100	427,583
6	LEWIS-SELBY	12,915	11,167	10,476	11,456	11,171	11,863	11,644	11,308	10,767	10,056	10,489	11,519	134,831
7	FRANKLIN	48,543	44,066	37,061	43,174	45,296	45,274	45,612	43,048	37,896	34,916	35,274	43,148	503,309
8	SOUTH SAGINAW	30,636	27,359	23,860	25,012	22,891	24,939	26,318	26,801	23,380	23,512	24,205	26,780	305,703
9	LAPEER ROAD	41,084	39,068	35,675	40,294	37,034	39,430	39,042	38,120	34,461	34,730	36,871	38,842	454,551
10	RICHFIELD ROAD	28,967	27,604	25,146	26,046	24,410	25,612	24,783	25,853	24,264	23,303	23,872	24,653	304,033
11	FENTON ROAD	28,055	24,018	22,051	27,502	24,739	25,434	27,706	27,337	23,393	24,360	25,085	24,628	304,308
12	BEECHER ROAD	45,026	35,990	35,005	35,805	30,898	32,481	33,826	34,616	34,668	36,931	37,345	35,935	427,827
13	CROSSLTOWN-NORTH	13,915	11,331	10,431	11,777	11,798	11,797	11,148	11,328	8,866	8,573	10,157	10,974	132,086
14	U OF M SHUTTLE	596	364	233	466	448	286	347	34	0	0	0	361	3,135
TOTAL FIXED ROUTE		454,891	417,586	382,440	413,697	395,754	412,740	407,778	408,794	372,966	378,352	390,542	412,626	4,858,166
PEAK PERIOD SERVICE		84,138	71,039	47,803	65,745	54,899	71,088	61,253	77,188	28,567	709	2,335	74,796	640,380
REGIONAL ROUTES		16,271	16,168	14,399	14,343	14,163	14,950	14,286	13,939	14,061	16,501	21,144	19,745	189,890
SPECIAL SERVICE														
CRIM		0	0	0	0	0	0	0	0	0	0	2,175	0	2,175
BACK TO THE BRICKS		0	0	0	0	0	0	0	0	0	0	202	0	202
CURB TO CURB SERVICE														
BURTON		4,276	3,892	3,514	4,261	3,994	4,396	4,668	4,815	3,758	3,228	3,358	3,760	47,920
CLIO		2,429	2,168	1,871	2,194	2,147	2,200	2,295	2,392	2,099	2,051	2,285	2,122	26,243
DAVISON		3,630	3,200	2,796	3,279	3,230	3,462	3,656	3,791	3,291	3,275	3,450	3,342	40,402
EAST FLINT		7,559	6,553	5,988	6,870	6,375	7,153	7,171	7,214	5,954	6,154	6,173	6,946	80,230
FENTON		4,467	4,061	3,350	4,014	3,760	4,202	4,211	4,781	3,130	2,405	2,448	2,918	43,727
FLUSHING		3,006	2,852	2,565	2,813	2,548	2,761	2,808	2,832	2,597	2,702	2,666	2,667	32,717
GRAND BLANC		3,559	3,210	2,962	3,500	3,206	3,536	3,538	3,662	3,038	3,102	3,221	3,087	39,641
MT. MORRIS		4,306	4,100	3,563	4,230	3,963	4,415	4,132	4,517	3,499	3,563	3,573	3,976	47,837
OTISVILLE		1,404	1,162	1,048	1,203	1,126	1,238	1,255	1,310	1,071	1,159	1,215	1,141	14,329
SWARTZ CREEK		3,568	3,169	2,453	3,292	3,023	3,184	3,280	3,432	2,152	2,230	2,311	2,590	34,684
WEST FLINT		6,033	5,740	5,201	5,735	5,507	6,042	5,986	5,942	5,159	5,401	5,748	5,361	67,855
TOTAL CURB TO CURB		44,227	40,197	35,311	41,391	38,879	42,589	43,000	44,708	35,758	35,287	36,428	37,810	475,585
MTA TOTAL		609,527	544,990	479,953	535,176	503,495	541,367	526,317	544,629	452,392	430,949	452,826	544,877	6,166,496
MTA TRANSFERS		104,769	92,109	87,689	91,797	88,188	92,388	90,298	89,280	82,142	87,721	90,038	90,369	1,086,788
CONTRACTED SERVICES		452	435	338	385	428	424	490	406	440	441	396	294	4,929
INTER-CITY BUSES		1,422	1,736	1,748	1,294	1,417	1,708	1,507	1,518	N/A	3,942	4,005	3,120	23,417
AMTRAK		2,546	2,707	2,941	2,348	2,543	3,154	2,849	2,752	3,122	3,646	3,729	2,779	36,216
GRAND TOTAL		613,947	549,868	484,980	539,203	507,883	546,653	531,263	540,305	455,954	438,878	460,956	551,170	6,230,060