

Memorandum



Date: March 2, 2015

To: Honorable Chairman Jean Monestime and Members
Board of County Commissioners

From: Carlos A. Gimenez
Mayor

A handwritten signature in black ink, appearing to read "Carlos A. Gimenez".

Subject: Miami-Dade Transit: Report on other Automated People Mover Systems in the United States

This report is in response to a request made by Commissioner Jose "Pepe" Diaz at the February 11, 2015 Transit and Mobility Services Committee (TMSC) for information on other automated people mover systems similar to Miami-Dade Transit (MDT).

According to the National Transit Database (NTD, 2013) and property websites, aside from Miami-Dade County/Miami-Dade Transit's Metromover, there are two other cities with publicly operated automated mover systems operating in the United States: Detroit and Jacksonville. Below is information requested on each property and a table (Table 1) showing side-by-side comparisons between Miami-Dade County, Detroit and Jacksonville systems.

The Miami-Dade County Metromover (Mover) system is a fully automated people mover system consisting of 4.4 miles of elevated dual-lane track and guideway. Service to the Downtown/Inner Loop began in April 1986 and was later expanded with the Omni and Brickell Loop extensions in May of 1994. The Mover offers convenient access to a variety of government, businesses, entertainment and cultural centers in the Central Downtown, Omni and Brickell areas, servicing 21 stations. The Mover fleet consists of 29 vehicles operating approximately 1,222,385 annual vehicle revenue miles. The Mover operates on three routes or loops (Inner, Omni and Brickell) Monday through Sunday from 5:00 am to 12:00 am; connects to Metrobus, Metrorail and the Airport. The Mover is fare free to all residents and visitors.

Detroit People Mover

The Detroit Transportation Corporation, City of Detroit, is the owner and operator of the Detroit People Mover (DPM). The DPM is a fully automated light rail system that was developed as part of a planned regional transit system in 1987. The DPM operates on an elevated single track loop in Detroit's central business district. The 2.9 mile system provides connections between the courts and administrative offices of several levels of government, sports arenas, exhibition centers, major hotels, and commercial, banking and retail districts. DPM operates 586,382 annual vehicle revenue miles.

Normal weekday operating hours are from 6:30 am to 12:00 am or 2:00 am on Fridays; weekend hours are from 9:00 am to 2:00 am on Saturdays; and 12:00 pm to 12:00 am on Sundays. Early openings and extensions of evening hours are provided to accommodate sports events, major conventions and other special events taking place in the central business district. The DPM fare is \$0.75 and offers discounted fares for certified riders.

Jacksonville Skyway

The Jacksonville Skyway (Skyway) is an automated people mover in Jacksonville, Florida. It is operated by the Jacksonville Transportation Authority (JTA). Opening in 1989 with three stations in Downtown Jacksonville, the Skyway was extended in 1996, 1998, and 2000 following a conversion from Matra technology to Bombardier equipment. The system currently comprises two routes across 2.5 miles of track, serving eight stations. The hours of operation are Monday through Friday from 6:00 am to 9:00 pm and weekend service is only provided for special events. The Skyway is fare free. In 2013, the Skyway registered 183,197 annual vehicle revenue miles.

Table 1. U.S. Automated People Mover Systems (Public)

Systems	City, State	System Opened	Miles	Stations	Fare
Metromover	Miami, FL	1986	4.4	21	Free
Skyway	Jacksonville, FL	1989	2.5	8	Free
People Mover	Detroit, MI	1987	2.9	13	\$0.75

In addition, there are two other public transportation systems with privately owned and/or operated automated people mover systems: Las Vegas Monorail Company and the City of Seattle Monorail. Table 2 provides detailed information on both.

Table 2. U.S. Automated People Mover Systems Operated Transit Properties (Private/Joint)

Systems	City, State	System Opened	Miles	Stations	Fare
Las Vegas Monorail (Private)	Las Vegas, NV	2004	7.7	7	\$5.00/single trip
Seattle Center Monorail Transit (Commercial)	Seattle, WA	1962	1.8	2	\$2.25/one way

Las Vegas Monorail (private)

The Las Vegas Monorail Company (LVMC) runs the only privately-owned public transportation system in the United States. It is a 3.9 mile (6.3 km) monorail mass transit system located adjacent to the Las Vegas Strip in Nevada. The Monorail opened in 2004 and services seven stations. Plans are underway to extend the Monorail to the Airport and through Downtown Las Vegas. The hours of operation are Monday from 7:00 am to midnight; Tuesday through Thursday from 7:00 am to 2:00 am; and Friday through Sunday from 7:00 am to 3:00 am. The single trip fare is \$5.00 and the only discounts offered are to Nevada residents. LVMC operated 2,034,976 annual vehicle revenue miles.

Seattle Center Monorail

The Seattle Center Monorail System (SMS) is an elevated monorail line composed of two trains and a fixed guideway. The SMS which was completed in January 1962 for the Seattle World's Fair, is the nation's first full-scale commercial monorail system and has a guideway just under 1 mile. The SMS is owned by the City of Seattle and operated by a private contractor, Seattle Monorail Services. The Monorail hours of operation are Monday through Friday at 7:30 am and on Saturday and Sundays at 8:30 am. The system closes Sunday through Thursday at 9:00 pm and on Friday and Saturdays at 11:00 pm. A one-way trip is \$2.25 for adults and \$1 for Seniors, children ages 5 - 12, passengers with disabilities, Medicare recipients and active duty U.S. Military personnel. Roundtrip fares are twice the price of a one-way fare and children under the age of four ride fare free. The trains carry approximately 2 million passengers every year and operates 223,612 annual vehicle revenue miles.

Finally, it should be noted that in 2013 of the 5 systems detailed above, MDT had the most annual trips (9.6 million). Las Vegas was second, with 4.1 million trips, followed by Detroit (2.3 million), Seattle (2 million) and Jacksonville (1 million), respectively.

Should you require additional information, please contact Ysela Llort, Miami-Dade Transit, 786-469-5411.

c: Alina T. Hudak, Deputy Mayor
 Ysela Llort, Director, Miami-Dade Transit