

GENESEE TRANSPORTATION COUNCIL
PLANNING COMMITTEE RESOLUTION

Resolution 16-3 Endorsing the RGRTA Real-Time Bus Fleet Technology System Replacement project as the Genesee-Finger Lakes Region's highest priority for the Urban element of the TIGER Discretionary Grants program

WHEREAS,

1. The Consolidated Appropriations Act, 2016 (Pub. L. 114–113) as enacted on December 18, 2015 appropriated \$500 million to be awarded by the U.S. Department of Transportation (USDOT) for National Infrastructure Investments;
2. USDOT is referring to grants for National Infrastructure Investments under the Consolidated Appropriations Act, 2016 as "Transportation Investments Generating Economic Recovery (TIGER) Discretionary Grants";
3. TIGER Discretionary Grants will be awarded on a competitive basis for transportation projects that will have a significant impact on the Nation, a metropolitan area, or a region;
4. TIGER Discretionary Grants have different thresholds for projects located in Urban and Rural areas, with a minimum allocation for projects in Rural areas;
5. The purpose of the Rochester Genesee Regional Transportation Authority's Real-Time Bus Fleet Technology System Replacement project is to upgrade existing radio and Computer-Assisted Dispatch/Automatic Vehicle Location systems used by fixed-route, fixed-schedule public transportation services and associated paratransit in the Rochester, New York area;
6. The new systems will enhance the safety and security of the transit system and include vehicle health monitoring, yard management, real-time customer information systems, and on-board Wi-Fi that will improve the customer experience and increase cost effectiveness through enhanced operations;
7. The Real-Time Bus Fleet Technology System Replacement project is wholly consistent with and will maximize the benefits of several other existing and planned highway, bridge, public transportation, bicycle, and pedestrian projects that have been or will be funded with local, state, and federal funds;
8. The Genesee Transportation Council is the designated Metropolitan Planning Organization for the Genesee-Finger Lakes Region, inclusive of the Rochester, New York Metropolitan Planning Area, and maintains the federally-required metropolitan transportation plan and transportation improvement program; and

9. The Real-Time Bus Fleet Technology System Replacement project is consistent with the Long Range *Transportation Plan for the Genesee-Finger Lakes Region 2035*, the federally-required metropolitan transportation plan for the Rochester, New York Metropolitan Planning Area.

NOW, THEREFORE, BE IT RESOLVED

1. That the Genesee Transportation Council Planning Committee endorses the Real-Time Bus Fleet Technology System Replacement project as the Genesee-Finger Lakes Region's highest priority for the Urban element of the TIGER Discretionary Grants program;
2. That the Planning Committee supports the preparation and submittal of any and all necessary TIGER Discretionary Grants application materials by the Rochester Genesee Regional Transportation Authority for the Real-Time Bus Fleet Technology System Replacement project;
3. The Genesee Transportation Council will amend the *2017-2020 Transportation Improvement Program* at the earliest possible date to include TIGER Discretionary Grants funds for the Real-Time Bus Fleet Technology System Replacement project, if so awarded by USDOT;
4. That this resolution takes effect immediately.

CERTIFICATION

The undersigned duly qualified Chairman of the Genesee Transportation Council Planning Committee certifies that the foregoing is a true and correct copy of a resolution adopted at a legally convened meeting of the Genesee Transportation Council Planning Committee held on April 7, 2016.

Date _____

SCOTT A. LEATHERSICH, Chairman
Genesee Transportation Council
Planning Committee


 The logo for RGRTA (Rochester Genesee Regional Transportation Authority) features the letters "RGRTA" in white, bold, sans-serif font, centered within a blue rectangular box with a green horizontal stripe at the bottom. The logo is positioned at the top center of the page, partially enclosed by a thin green circular line.

RGRTA

MODERN TRANSIT. MODERN TECHNOLOGY.

RGRTA REAL-TIME BUS FLEET TECHNOLOGY SYSTEM REPLACEMENT

PROJECT SUMMARY

To remain competitive and effective in the public transportation field – now and into the future – RGRTA is applying for TIGER Grant to modernize our technological and equipment infrastructure.

The technologies listed below will help us improve our entire transit system to better meet the needs of our customers and the community. The TIGER Grant will increase customers' experience and satisfaction by adding on-board Wi-Fi, increasing location-specific digital signage, and enhancing our "Where's My Bus?" tools with real-time GPS tracking of each bus. Safety and security will also improve with a Radio Communication System replacement, which utilizes the same infrastructure as 911, EMS, Fire, and Police Departments and includes live, GPS-based emergency video feeds.

Phase 1: \$17,475,000

- Introduction of Wi-Fi and Real-Time GPS Tracking
- Replacement of Existing Computer Aided Dispatch System (CAD)
- Replacement of Automatic Vehicle Location System (AVL)
- Replacement of Radio Communication System

Investment in Phase 1 will lay the foundation to improve the customer experience by introducing:

- Wi-Fi enabled buses
- The opportunity to sync with holistic transit apps, which include services like Uber and Lyft
- Mobile payment options, including "tapless payment"
- GPS-connected digital signage providing on-board, location-specific information



Phase 2: \$1,600,000

Implementation of a Vehicle Health Monitoring System including the installation of equipment and software on each bus. This system will provide real-time reporting data on engine and transmission health, notifying technicians of issues before they become problems, thereby improving service quality and performance.

Phase 3: \$4,275,000

- Replacement of Real-Time Arrival Signs with Digital LCD Signage to improve customer communications
- Replacement of Bus Yard Fleet Management System to increase operational efficiencies

Total Budget: \$23,350,000

SCHEDULE:

April 2017 – Project Begins

June 2020 – Phase 1 Complete

January 2022 – Phase 2 & 3 Complete