Trapeze™

PLAN

Track and analyze ridership data. Improve decision-making and NTD reporting.

Every public transit agency in the United States is required to report on passenger miles and route productivity in accordance with regulations laid out by the Federal Transit Administration (FTA) through methods prescribed by the National Transit Database (NTD).

To meet NTD reporting requirements, the ridership data you collect every day must be accurate, complete, and consistent. But addressing data issues and discrepancies and organizing the data into meaningful information can pose a challenge.

PLAN ensures ridership data imported from your Automatic Passenger Counters (APCs) and other sources are ready and valid to be used for NTD reporting. It generates final output and fully customizable reports to help your decision-making processes, from increasing service to securing federal funding.

Overview

Collect and Clean Data

- Extracts data from Automatic Passenger Counters, farebox or handheld ride/point check data
- Cleanses data using load-balancing algorithm; balances boarding and alighting for each block
- Validates schedule data elements to ensure they match FX schedule data
- Captures and separates obvious data exceptions, such as missing elements
- Automatically populates data into PLAN

Ensure Data Integrity

- Performs both user-defined and trip-level data cleansing
- Checks manual data against APC data for discrepancies
- Holds unvalidated data for review and editing

Analyze Ridership

- Analyzes APC data to identify problematic routes and vehicles
- Performs route, pattern, runtime, time/date analysis

Agency Benefits

Lower Operating Costs

Comprehensive ridership analysis enables you to quickly identify which routes have the highest and lowest ridership and those with chronic schedule adherence problems. Constant visibility into this data set allows you to quickly make scheduling adjustments, minimizing potential losses.

Cleansed and Validated Data

Effective data transfer and validation is crucial to accurate performance measurement and reporting. PLAN's APC Gateway component validates, cleanses, and transforms data from APCs and easily integrates it into Trapeze databases to ensure ridership data supports your planning and reporting requirements.

Federal Funding Opportunities

Efficient and timely NTD reporting helps secure the federal funding you need to improve service and capital planning. It is important for federal funding agencies to accurately measure your agency performance to evaluate your funding requirements.

Passenger Benefits

Optimized Service Levels

- Better demand forecasting based on ridership data improves timetables and reflects ridership changes, providing service passengers need and expect
- Ridership analysis creates impactful route planning, helping customers get to where they need to go
- Funding for future transit projects based on performance measurements helps planners prioritize the route changes that serve riders best

Improved Transit Access

- Accurate planning backed up by ridership data expands riders' available mobility options and supports their transportation choices
- Better business intelligence improves rider access to communities, jobs, and education

Improved Passenger Experience

- The right routes at the right times enhances the rider experience and increases passenger satisfaction

Connect with our Experts

Trapeze™