


SOLUTION GUIDE

A photograph of a young Black man with glasses and large white headphones, smiling and looking to his right. He is wearing a tan cardigan over a grey hoodie and is holding a smartphone in his left hand. He is standing in a gym, with yellow exercise equipment visible in the background. Another person is blurred in the background.

# Fixed Route Scheduling

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## Quickly deliver schedules that meet your riders' changing needs.

Public transit has to keep up with changing demand as new realities arise. This means delivering new timetables and smarter routes at a moment's notice while maintaining excellent reliability passengers expect. At the same time, you remain committed to staying within budget and creating optimal working conditions for your operators.

To meet all these demands, your schedulers require dynamic tools to optimize available resources so they can create the best schedules that meet the needs of your riders, operators, and the agency's bottom line.

Trapeze's scheduling solutions utilize fast, powerful scheduling, blocking, and runcutting algorithms. Robust computational logic balances cost and comfort factors in delivering the transit service your riders need.

Try out multiple scenarios to evaluate different options that best meet your goals. Integrate scheduling with planning and make the right data-driven scheduling decisions. Find significant cost -savings to do more with less.

**80+** scheduling customers  
in North America

# AGENCY BENEFITS

Be flexible, fast, and accurate. Optimize schedules with high-quality data.



## Improve Productivity

Simplify and streamline your scheduling capabilities with an intuitive and simple interface and easy export of scheduling data to downstream systems. Reduce time-consuming scheduling tasks from weeks to a few days. Implement faster through the cloud.



## Reduce Operating Costs

Lower costs by deploying vehicles and operators more efficiently and determining cost impact of scheduling changes. Reduce deadhead trips and maximize resources with better interlining that minimizes vehicle use. Save time by automating manual processes and eliminating data re-entry.



## Optimize Schedules

Improve schedules and run times to deliver faster service and give riders the higher service frequency they want. Create multiple scenarios to determine what works best by cost and/or passenger satisfaction.



## Improve Compliance

Control multiple rule/parameter sets to easily configure multiple union agreements, varying rules for different modes and service restrictions (e.g., weekends).



# PASSENGER BENEFITS

Gain passengers' trust with efficient, reliable schedules.

## **Reduce Wait and Travel Times**

Get riders to their destinations quickly and on time with optimized service timetables and run times.

## **Increase Passenger Comfort**

Reduce friction throughout the passenger journey by coordinating better timed transfers and increasing service frequency.

## **Deliver Accurate Customer Information**

Seamlessly share scheduling data with customer-facing platforms such as trip planners, automated calling, and traveler information systems that provide passengers with real-time information.

## **Mobility Planning and Scheduling For Sustainable Cities**

For almost 30 years, Trapeze has provided powerful routing, scheduling, blocking, runcutting, and rostering solutions to transit organizations of all sizes. Our automated software provides true flexibility, adapting easily to changes in service, work rules, and the IT environment. Native integration with other Trapeze solutions enables you to share scheduling data across departments, leading to better decision-making and optimized operations. Our solution is backed up by extensive client support and application hosting to deliver faster essential public service to your community.

# PRODUCT FEATURES

## **Flexible Scheduling**

Configure and build schedules by route and service on one platform. Build and maintain efficient headway data right down to the stop level. Create running time intervals, set run times, display integrity issues, and automatically turn node level schedules into stop level schedules.

## **Optimized Blocking**

Improve optimization of vehicle use with a powerful blocking algorithm that provides more flexibility and control in developing cost-effective blocking solutions. Minimize deadhead trips and improve interlining and integrity checking.

## **Advanced Runcutting**

Develop multiple scenarios and adjust work and pay rules for optimal results with a best of breed runcutting logic proven to deliver the most cost-effective runcuts in the industry. Evaluate allowance, rule, and policy changes, and see the cost impact of each.

## **Automated Rostering**

Optimize operator assignments and package runs into weekly work. Create efficient rosters that can include any number of workdays and/or off days. Build and optimize roster weeks using your specific work rules.

## **Integrated Mapping**

View and define service areas, routes, timing points, and stops on multi-layer, customizable maps with modern Geographic Information System (GIS) capabilities.

## Power BI Reporting and Analytics

Create and edit drop-and-drag reports, graphs, and visualizations that include time and distance data for routes and blocks and determine how realistic schedule data is. Evaluate runcut performance and easily align schedules with actual run times to improve On-Time Performance.

## Trapeze Enterprise Integration

Share scheduling data with other Trapeze applications (Workforce Management, Enterprise Asset Management, Traveler Experience) to improve decision-making and reduce data entry and re-entry.

## EXTEND YOUR SCHEDULING AND PLANNING CAPABILITIES

### Empower transit planners and schedulers with next-generation tools:



**Run Block Optimizer** – Get the most cost-effective schedule out by optimizing vehicle and operator schedules simultaneously.

**Reach out to our Scheduling and Planning experts for a demo.**





*Connect with our Experts*

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