



Pace passengers can make fare payments through the Ventra Mobile app via smartphones, as well as plan trips and access other travel information through the Pace website.

T-4 Open Source Multi-Modal Trip Planner

Initiative: Implement an open source multi-modal trip planner with integrated demand-response services.

implement
now

**IMPLEMENT
LATER**

further
investigate

Supports Goals:

Accessibility, Productivity, Responsiveness, Adaptability, Collaboration, Fiscal Solvency, and Integrity

Pace's customers currently have access to many different trip planning applications, however not all of Pace's service options can be accessed or planned for using current available applications. While the T-3 Integrated Transit Platform initiative will partly address this issue from an internal back-end systems integration perspective, Pace will also explore developing an external-facing open source multi-modal trip planner.

For example, the OpenTripPlanner tool was developed with resources from the US DOT's Mobility-On-Demand Sandbox grant. Agencies such as TriMet, Cap Metro, and others have incorporated this tool which allows customers to access a single interface to plan trips via transit, for-hire vehicles, shared bicycle systems, and other options. This is accomplished using an emerging data feed extension called GTFS Flex¹⁹ which allows greater accuracy for listing service options when users conduct search inquiries for transit itineraries.

For Pace, existing services that could potentially be integrated include On Demand, Dial-a-Ride and Vanpool. The carpool option with Pace's RideShare program software platform is yet another commute option to integrate with this initiative. Some additional changes to internal processes and technologies may also accompany this development.

While Pace will investigate how such an application will address the agency's immediate needs, it is also committed to working with the RTA, CTA and Metra to ensure the system is compatible and able to be integrated on a regional scale. Such an application would also provide connecting trip data for other services such as CTA and Metra, and other potential external service providers and trip planning applications.

¹⁹ GTFS-Flex Routing
docs.opentripplanner.org/en/latest/Flex/

