

Get on the Bus: Innovating and Optimizing Student Transportation

Interim Report

Submitted by Carnegie Mellon University/Metro21 Team

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Background

this data. The team will continue to work with Allies for Children to obtain this information from the other 3 districts. We will also attempt to generate routes that minimize the amount of vehicle capacity that is needed to transport all students.

Optimization and Feasibility of Routes The team is working to further refine the route sheet generation procedure to incorporate any missing constraints and is also developing system interfaces for subsequent transition as an end-user route generation tool. Progress on planning shared routes and determining feasibility has included:

- Developing a template for the collection and tracking of anticipated travel constraints that will impact routes.
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