Abstract

Applying GIS Technology to Improve Transit Accessibility
Track: Transportation
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How can a small city suffering from major traffic congestion improve the quality of its transportation system? This paper focuses on the transit portion of the solution. Applying GIS, laptops, Pocket PCs, and GPS technologies, the City evaluated the City's transit service, using the three performance measures--maximize walk-accessible transit service to city residents, increase the number of residents within a 10 minute travel time to a metrorail station, using the local bus service, and maximize the transit frequency of service. Staff assessed the pedestrian and transit networks to address the measures.

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