

Hiawatha LRT Potential Commuters

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*A project of
Minnesota 3-D (M3D)
at the
Center for Urban and Regional Affairs (CURA)
University of Minnesota*

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2006

Minnesota 3-D is a dynamic, GIS-based Internet application that brings together labor market, housing, and development information and analysis for the Twin Cities metro area into one easy-to-use tool for economic and community developers. By combining labor market origin–destination data on Minnesota jobs and workers with housing and transportation data, this tool will increase the capacity of project partners to plan and develop housing and economic development programs that narrow the growing spatial mismatch between housing and employment in the Twin Cities region.

The M3D project is a partnership between the Center for Urban and Regional Affairs, the Minnesota Department of Employment and Economic Development (DEED), the Minnesota Housing Finance Agency, the Minnesota Office of Revenue, the Metropolitan Council, Ramsey and Hennepin Counties, and various Twin Cities neighborhood organizations and community development corporations. The project is funded by a Technology Opportunities Program (TOP) grant from the U.S. Department of Commerce.

Minnesota 3-D Project (M3D)

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Report Number: M3D 1003

Hiawatha LRT Potential Commuters

Community: Longfellow Community Council

Project Completion Date: March 2006

Community Contact: Katie Hatt, 612/722-4529, katie@longfellow.org or Jeff Matson (CURA), 612-625-0081, jmatson@umn.edu

Project Description: The Twin Cities first light rail transportation line was completed in 2004. This line connects downtown Minneapolis to its suburbs and the Mall of America. The Hiawatha LRT line and its stations also connect to a number of Minneapolis neighborhoods with the potential for Transit Oriented Development (TOD) opportunities. This project used M3D data to analyze commute patterns adjacent to the Hiawatha LRT. The selection of a quarter mile buffer surrounding the Hiawatha LRT line was chosen as the potential user zone. The M3D commuteshed (where residents of a given area travel to work) and laborshed (where workers of a given area travel from to work) data comes from 2003, which is prior to the Hiawatha LRT completion. Therefore, this project was not completed to determine use of the light rail line, but it helps to highlight redevelopment opportunities adjacent to it through maximizing its ridership benefits to its community.

Data Outputs: M3D data mapped for this project represent where workers are traveling to and from in the Twin Cities Metro based on their city locations. The maps produced show that nearly 2,000 persons living within a quarter mile of the Hiawatha LRT line either travel to downtown Minneapolis or Bloomington to work in 2003, prior to the line's construction. On the other hand, persons traveling to work within the quarter mile zone surrounding the Hiawatha LRT line are primarily traveling from southern and western suburbs. Nearly 14,000 workers live in the southern suburbs of Bloomington, Eagan, Burnsville, and Apple Valley.

The following figure(s) were compiled to support this project:

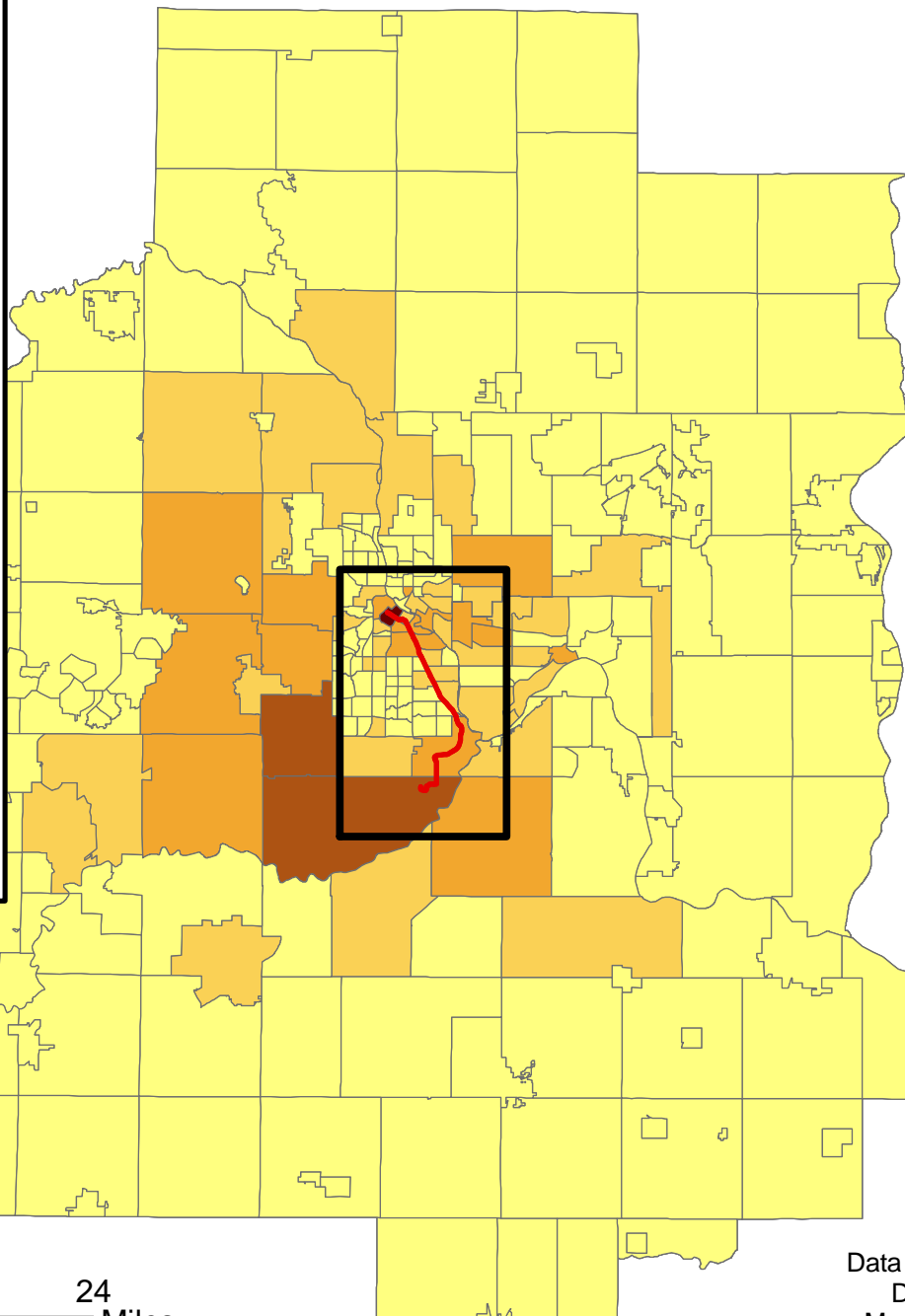
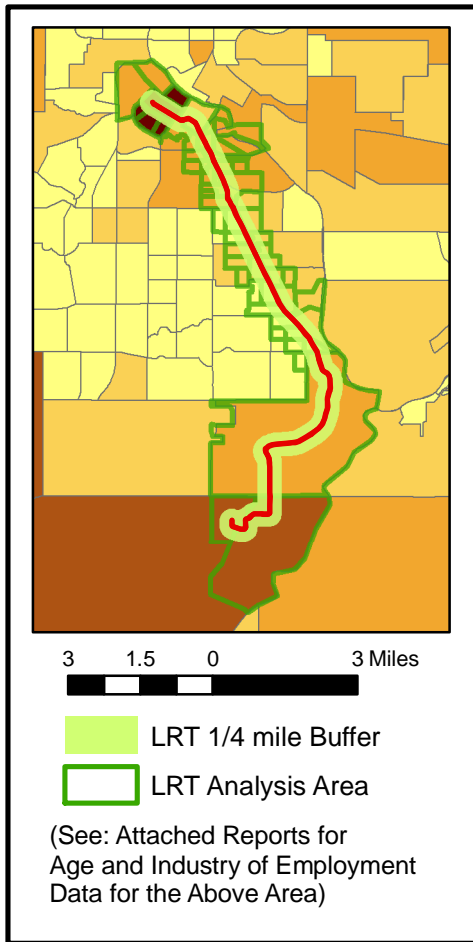
- Hiawatha LRT Commuteshed Analysis (Twin Cities Metro Area)
- Hiawatha LRT Laborshed Analysis (Twin Cities Metro Area)

Outcomes: This analysis sets a benchmark for analyzing the Hiawatha LRT impacts on the Twin Cities Metro and its neighborhoods in the future. Subsequent M3D commuteshed and laborshed data sets, hope to continue to inform how connections between the developments of public transportation options impact the reduction of transportation costs in the Twin Cities Metro.

Data Sources: LED Worker Origins/Destinations, 2nd Qtr 2003, MetroGIS

Hiawatha LRT Commuted Analysis

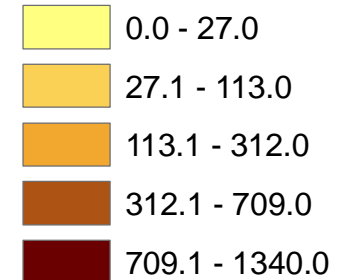
Twin Cities Metro Area



Legend

— Hiawatha LRT Corridor

LRT Commuted Number of Workers



Top Ten Commuter Locations

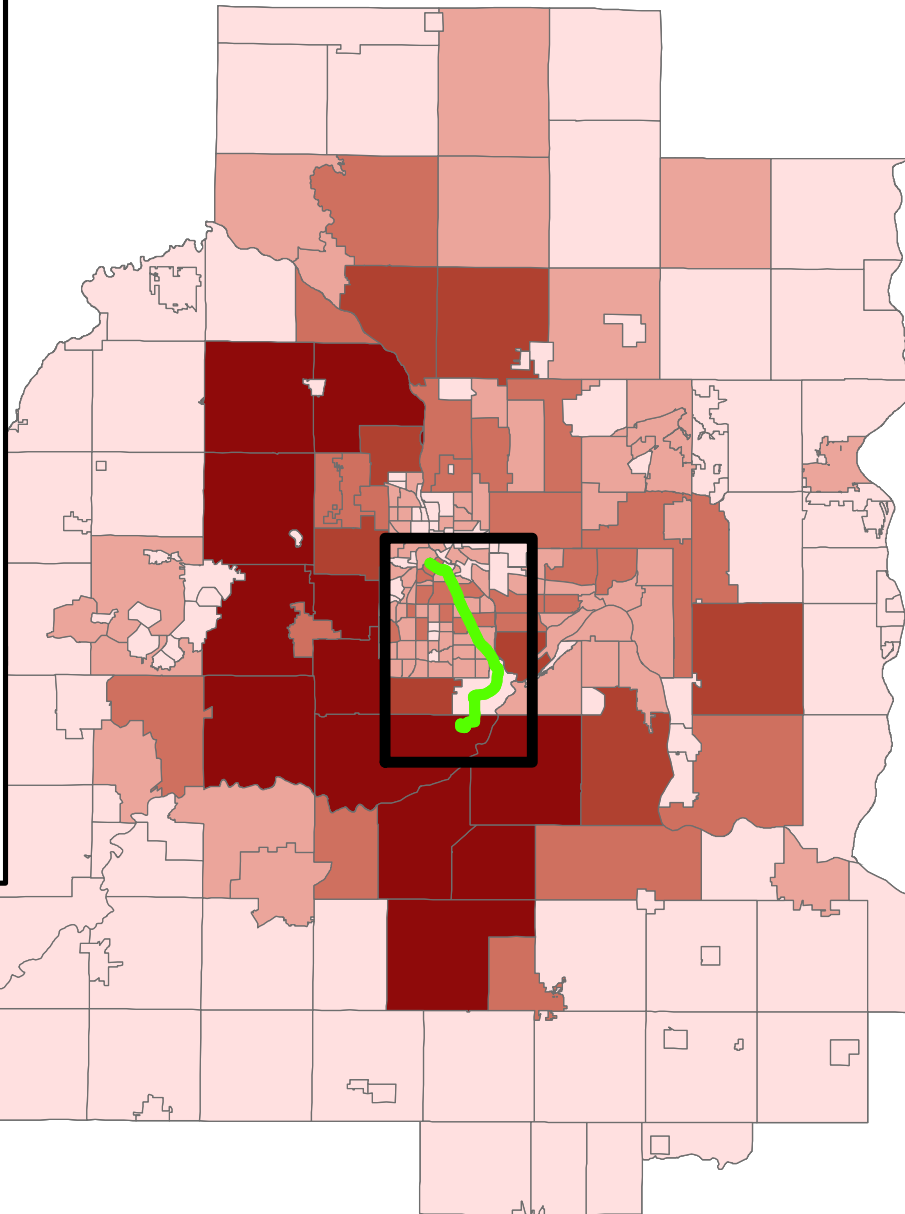
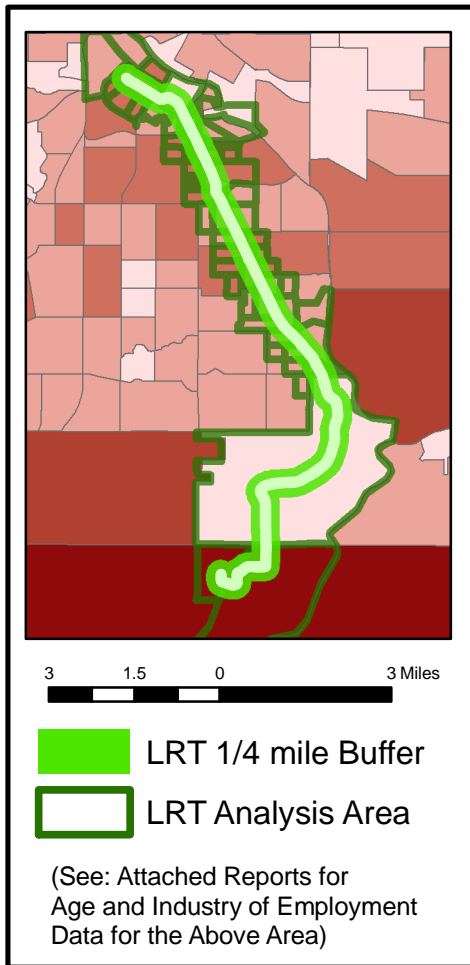
Nhhd or City Name	# of Workers
Downtown West	1340
Bloomington	709
Edina	396
University of MN	312
Phillips	272
Downtown	227
St. Louis Park	223
Elliot Park	221
Hamline-Midway	209
Fort Snelling (unorg.)	204

***Note: Commuted indicates where residents of a given area travel to work*

Data Source: LED Worker Origins/
Destinations, 2nd Qtr 2003
Map created by M3D staff, 3/06

Hiawatha LRT Laborshed Analysis

Twin Cities Metro Area

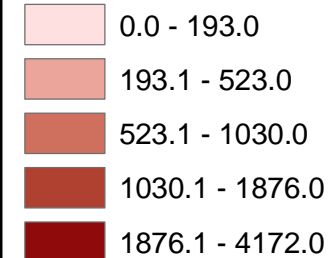


Legend

 Hiawatha LRT Corridor

Hiawatha LRT Laborshed

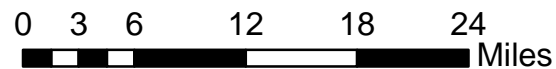
Number of Workers



Top Ten Commuter Locations

Nhhd or City Name	# of Workers
Bloomington	4172
Eagan	3792
Brooklyn Park	2956
Burnsville	2897
Apple Valley	2651
Plymouth	2648
St. Louis Park	2471
Edina	2283
Minnnetonka	2197
Maple Grove	2172

***Note: Laborshed indicates where workers of a given area are traveling from to work*



Data Source: LED Worker Origins/
Destinations, 2nd Qtr 2003
Map created by M3D staff, 3/06

