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 1005
Interstate 394 Commute Patterns

Community(s): the City of Wayzata, the City of Minnetonka, the City of St. Louis Park, & the City of Golden Valley

Project Completion Date: September 2006

Community Contact: Jeff Matson (CURA), 612-625-0081, jmatson@umn.edu

Project Description: This project was completed in support of a project currently being conducted by the Center for Changing Landscapes at the University of Minnesota. The Minnesota 3D (M3D) data supported this project through the production of commuteshed (where people living in a given area travel to work) and laborshed (where people of a given area travel from to work) maps for the combined area of the Minnesota cities of Wayzata, Minnetonka, St. Louis Park, and Golden Valley. These maps were then used to represent how many residents of these communities might use I-394 to travel to their place of employment.

Data Outputs: The figures compiled for this project depict that approximately 8,000 employed persons living in the cities of Wayzata, Minnetonka, St. Louis Park and Golden Valley travel to downtown Minneapolis or St. Paul to work. These workers are most likely using I-394 as their primary transportation route. In return, over 13,000 Minneapolis residents work in the above cities, which a percent are most likely using I-394 to commute to their jobs. In addition, the data shows that a number of commuters may be using I-394 for shorter trips, working and living within the designated four city area.

The following figure(s) were compiled to support this project:
- Commuteshed Pattern of Adjacent I-394 Cities
- Laborshed Pattern of Adjacent I-394 Cities
- Commuteshed Pattern of Adjacent I-394 Cities by Census Tracts
- Laborshed Pattern of Adjacent I-394 Cities by Census Tracts

Outcomes: The overall project is still in the beginning phases at this time. It is premature at this stage to determine how M3D maps will influence the completed project.

Data Sources: LED Worker Origins/Destinations, 2nd Qtr 2003, MetroGIS
Commuteshed Pattern of Adjacent I-394 Cities

Commuteshed = where residents of a given area travel to work

Legend
- Yellow: Interstate 394
- Red: Interstate Highways
- Blue: Adjacent I-394 Cities
- Green: Downtown Area

Commuteshed Facts
(For the Cities of Wayzata, Minnetonka, Golden Valley, & St. Louis Park)

<table>
<thead>
<tr>
<th>Total Commuters</th>
<th>= 61,116</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Commuters to Downtown Minneapolis</td>
<td>= 7,951</td>
</tr>
<tr>
<td>Total Commuters to Downtown St Paul</td>
<td>= 814</td>
</tr>
</tbody>
</table>

Data Source: LED Worker Origins/ Destinations, 2nd Qtr 2003
Map created by CURA staff, 8/06
Laborshed Pattern of Adjacent I-394 Cities

Legend
- Interstate 394
- Interstate Highways
- Adjacent I-394 Cities
- Downtown Area

Number of Workers
- 1 - 5
- 6 - 14
- 15 - 34
- 35 - 89
- 90 - 219

Laborshed Facts: Top 10 Cities of Residency
For the cities of Wayzata, Minnetonka, Golden Valley, & St. Louis Park

<table>
<thead>
<tr>
<th>City Name</th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minneapolis</td>
<td>13,235</td>
<td>12.0%</td>
</tr>
<tr>
<td>Plymouth</td>
<td>7,281</td>
<td>6.6%</td>
</tr>
<tr>
<td>Minnetonka</td>
<td>7,248</td>
<td>6.6%</td>
</tr>
<tr>
<td>St. Louis Park</td>
<td>6,113</td>
<td>5.5%</td>
</tr>
<tr>
<td>St. Paul</td>
<td>5,022</td>
<td>4.6%</td>
</tr>
<tr>
<td>Eden Prairie</td>
<td>4,632</td>
<td>4.2%</td>
</tr>
<tr>
<td>Maple Grove</td>
<td>4,416</td>
<td>4.0%</td>
</tr>
<tr>
<td>Brooklyn Park</td>
<td>3,838</td>
<td>3.5%</td>
</tr>
<tr>
<td>Bloomington</td>
<td>3,681</td>
<td>3.3%</td>
</tr>
<tr>
<td>Edina</td>
<td>2,582</td>
<td>2.3%</td>
</tr>
<tr>
<td><strong>Total Workers in the Metro</strong></td>
<td><strong>110,247</strong></td>
<td><strong>100.0%</strong></td>
</tr>
</tbody>
</table>

Data Source: LED Worker Origins/ Destinations, 2nd Qtr 2003
Map created by CURA staff, 9/06
Commuteshed Pattern of Adjacent I-394 Cities by Census Tracts (Commuteshed = where residents of a given area travel to work)

Legend
- Adjacent I-394 Cities
- Interstate 394
- Downtown Area
- Interstate Highways

Number of Jobs
- 0 - 99
- 100 - 340
- 341 - 884
- 885 - 1,555
- 1,556 - 3,982

Data Source: LED Worker Origins/Destinations, 2nd Qtr 2003
Map created by CURA staff, 8/06
Laborshed Pattern of Adjacent I-394 Cities by Census Tracts

Laborshed = where workers of a given area travel from to work

Legend
- Adjacent I-394 Cities
- Interstate 394
- Downtown Area
- Interstate Highways

Number of Workers
- 0 - 95
- 96 - 183
- 184 - 309
- 310 - 517
- 518 - 1,175

Data Source: LED Worker Origins/Destinations, 2nd Qtr 2003
Map created by CURA staff, 9/06