

**State of Wisconsin/Department of Transportation**  
**RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: March 31, 2010**

<b>Program: SPR-0010(36) FFY99</b>	<b>Part: II Research and Development</b>
<b>Project Title:</b> Transportation Profiles for MVFC Commodities	<b>Project ID:</b> MVFC 10
<b>Administrative Contact:</b> Greg Waidley	<b>Sponsor:</b> MVFC Pooled Fund
<b>WisDOT Technical Contact:</b> Sandy Beaupre	<b>Approved Starting Date:</b> Jan. 1, 2009
<b>Approved by COR/Steering Committee:</b> \$173,521	<b>Approved Ending Date:</b> Sept. 30, 2011
<b>Project Investigator (agency &amp; contact):</b> Teresa Adams, University of Wisconsin - Madison	

**Description:**

This project will use alternative methods to develop information on the flow of commodities through the region. Part one will develop two commodities in depth with narratives and illustrations to demonstrate the importance of efficient transportation to the industry along with some of the issues that influence the decisions made by shippers and carriers as they move product. Part two will use the approach of disaggregating Freight Analysis Framework information and assigning the commodities to routes. Part three will develop a micro-simulations of commodities based on freight volume, economic activity and probabilities. Since this application will take it to new levels, only four commodities will be analyzed under this project. With successful demonstration, the technique might be expanded in future work.

Total study budget	Expenditures for current quarter	Total Expenditures to date	Percent Complete
\$173,521	\$40,771	\$40,806	80%

**Progress This Quarter:**

Work continues on the taconite case study. It will be finished by May 15.

UIC and UT researchers have developed the tools to make the data available over the freightview system. These will be demonstrated in Cincinnati.

The synthesis work continues with the gathering and analysis of materials on specific commodities and industries. Much of the code has been written.

**Work Next Quarter:**

Finalize the taconite story.

Demonstrate FreightView availability of data.

Continue synthesis effort. Test the concept with the defined commodities and document success/problems

Develop the final presentation of materials.

More team meetings

**Circumstances affecting progress/budget:** The project should be complete by September.

Year End

July 1, 2010

Gantt Chart:

Task/Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Team mtgs.	█																			
<b>Part 1</b>																				
Research	█	█	█	█	█	█														
Write stories					█	█	█	█	█	█	█	█	█	█	█	█				
<b>Part 2</b>																				
Economic data	█	█	█																	
Production estimation				█	█	█														
O-D estimation							█	█	█	█	█	█								
Microsimulation										█	█	█	█	█	█	█	█	█	█	█
Final report														█	█	█	█	█	█	█
<b>Part 3</b>																				
Literature review	█																			
ID data sources		█																		
ID simulation			█																	
Dev probabilistic				█	█	█	█													
Dev simulation							█	█	█											
Assemble data										█	█									
Test concept											█	█								
Document													█	█	█	█				
<b>Summary</b>															█	█	█	█	█	█

