

**State of Wisconsin/Department of Transportation**  
**RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: December 31, 2009**

<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	\$35	\$35	60%

**Progress This Quarter:**

The auto industry case study is complete.  
 Work continues on the taconite case study.  
 UIC and UT researchers are developing the tools to make the data available over the freightview system.  
 The synthesis work continues with the gathering and analysis of materials on specific commodities and industries.  
 Our advisory committee reviewed our efforts and offered response and ideas.

**Work Next Quarter:**

Finalize the taconite story.  
 Finalize the UIC effort.  
 Make the UIC data available over the UT Freightview tool.  
 Continue synthesis effort.  
 Begin thoughts on the final presentation of materials.  
 More team meetings

**Circumstances affecting progress/budget:** Time consumed by contracting procedures has delayed expenditure of funds. We will catch-up soon. 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
<b>Team mtgs.</b>	█																	
<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 probablistic				█	█	█												
Dev simulation							█	█	█	█								
Assemble data										█	█							
Test concept											█	█						
Document													█	█	█	█	█	█
<b>Summary Report</b>															█	█	█	█

Red indicates changes from original schedule. We are slightly behind schedule, but will complete on time