

State of Wisconsin/Department of Transportation
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: Sept 30, 2008

Program: SPR-0010(36) FFY99	Part: II Research and Development
Project Title: Transportation Profiles for MVFC Commodities	Project ID: MVFC 10
Administrative Contact: Jason Bittner	Sponsor: MVFC Pooled Fund
WisDOT Technical Contact: Sandy Beaupre	Approved Starting Date: Jan. 1, 2009
Approved by COR/Steering Committee: \$173,521	Approved Ending Date: Sept. 30, 2011
Project Investigator (agency & contact): 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	0	0	55%

Progress This Quarter:

Contracts are in place.
 Toledo's story dealing with the auto industry is complete in draft form and being reviewed.
 Superior's story is nearly complete.
 UIC's efforts of disaggregating the FAF commodity data have been tested and appear to be accurate.
 Discussions are underway with UT to host the GIS enabled site for the UIC commodity data.
 UW-M and UW-Madison are working on the background and foundational information on the synthesis portion of the project.
 Three team meetings were held electronically.

Work Next Quarter:

Finalize the stories.
 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.
 Three more team meetings

Circumstances affecting progress/budget: Time consumed by contracting procedures has delayed expenditure of funds. We will catch-up soon.

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
Team mtgs.																		
Part 1																		
Research																		
Write stories																		
Part 2																		
Economic data																		
Production estimation																		
O-D estimation																		
Microsimulation																		
Final report																		
Part 3																		
Literature review																		
ID data sources																		
ID simulation																		
Dev probabilistic																		
Dev simulation																		
Assemble data																		
Test concept																		
Document																		
Summary Report																		

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