

# RESEARCH, DEVELOPMENT & TECHNOLOGY TRANSFER QUARTERLY PROGRESS REPORT

Wisconsin Department of Transportation  
DT1241 4/2010

**INSTRUCTIONS:**

Research project investigators and/or project managers should complete a quarterly progress report (QPR) for each calendar quarter during which the projects are active.

<b>WisDOT research program category:</b> <input type="checkbox"/> Policy research <input type="checkbox"/> Wisconsin Highway Research Program <input type="checkbox"/> Other <input checked="" type="checkbox"/> Pooled fund TPF# <b>TPF-5(156)</b>		Report period year: <b>2010</b> <input type="checkbox"/> Quarter 1 (Jan 1 – Mar 31) <input checked="" type="checkbox"/> Quarter 2 (Apr 1 – Jun 30) <input type="checkbox"/> Quarter 3 (Jul 1 – Sep 30) <input type="checkbox"/> Quarter 4 (Oct 1 – Dec 31)
Project title: <b>Transportation Profiles for MVFC Commodities</b>		
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WisDOT project ID: <b>MVFC 10</b>	Other project ID: <b>TRJ 3450830</b>	Project start date: <b>1/1/2009</b>
Original end date: <b>9/30/2011</b>	Current end date: <b>9/30/2011</b>	Number of extensions: <b>0</b>

**Project schedule status:**

On schedule                     
  On revised schedule                     
  Ahead of schedule                     
  Behind schedule

**Project budget status:**

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
\$173,521.00	\$40,000.00	\$81,000.00	47%	85%

**Project 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.

**Progress this quarter** (includes meetings, work plan status, contract status, significant progress, etc.):

Demonstrations were done of the FreightView application of the disaggregation portion of the project. Data from that effort was placed in the FreightView System. Work continued on the Taconite story. The simulation model is working with several of the commodities.

**Anticipated work next quarter:**

The project will be complete. The Taconite story will be done. a final report on the simulation will be written and guidance will be documented for the freightview access to the simulation. All will be incorporated into a final document.

**Circumstances affecting project or budget:**

Significant encumbrances are still on the books. The budget appears to be about right.

**Attach / insert Gantt chart and other project documentation**

FOR WISDOT USE ONLY

Staff receiving QPR:	Date received:
Staff approving QPR:	Date approved:

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
<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</b>																				
<b>Report</b>																				

Red indicates changes from original schedule. We are slightly behind schedule, but will complete by September.