

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.

WisDOT research program category: <input type="checkbox"/> Policy research <input type="checkbox"/> Wisconsin Highway Research Program <input type="checkbox"/> Other <input checked="" type="checkbox"/> Pooled fund TPF# 5(156)		Report period year: 2010 <input type="checkbox"/> Quarter 1 (Jan 1 – Mar 31) <input type="checkbox"/> Quarter 2 (Apr 1 – Jun 30) <input type="checkbox"/> Quarter 3 (Jul 1 – Sep 30) <input checked="" type="checkbox"/> Quarter 4 (Oct 1 – Dec 31)
Project title: Transportation Profiles for MVFC Commodities		
Project investigator: Teresa Adams	Phone: 263-3175	E-mail: adams@engr.wisc.edu
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WisDOT contact: Sandy Beaupre	Phone: 266-7575	E-mail: Sandra.beaupre@dot.state.wi.us
WisDOT project ID: TRJ 3450830	Other project ID: MVFC 10	Project start date: 1/1/2009
Original end date: 9/30/2011	Current end date: 9/30/2011	Number of extensions: 0

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	\$20,561.00	\$113,339.00	77%	92%

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.):

[Work continues on the taconite case study. It will be finished by March 1.](#)

[The synthesis portion of the project is complete with a successful demonstration of the concept of micro-simulation for regional modeling as it applies to four products.](#)

Anticipated work next quarter:

[Finalize the taconite story.](#)

[Develop the final presentation of materials.](#)

[Develop a final report for the project.](#)

Circumstances affecting project or budget:

The project should be complete by September.

Attach / insert Gantt chart and other project documentation

FOR WISDOT USE ONLY

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

Gantt Chart:

Task/Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25						
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 probablistic																															
Dev simulation																															
Assemble data																															
Test concept																															
Document																															
Summary Report																															

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