

# 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# 5(156)		Report period year: 2011 <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: <a href="#">Transportation Profiles for MVFC Commodities</a>		
Project investigator: <a href="#">Teresa Adams</a>	Phone: 263-3175	E-mail: <a href="mailto:adams@engr.wisc.edu">adams@engr.wisc.edu</a>
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WisDOT contact: <a href="#">Sandy Beaupre</a>	Phone: 266-7575	E-mail: <a href="mailto:Sandra.beaupre@dot.state.wi.us">Sandra.beaupre@dot.state.wi.us</a>
WisDOT project ID: <a href="#">TRJ 3450830</a>	Other project ID: <a href="#">MVFC 10</a>	Project start date: <a href="#">1/1/2009</a>
Original end date: <a href="#">9/30/2011</a>	Current end date: <a href="#">9/30/2011</a>	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	\$2,167.00	\$142,250.00	82%	95%

**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 on the Taconite cases study has not been delivered. That sub award has been canceled.](#)

**Anticipated work next quarter:**

[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									
<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 by September.