

RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: 1st

Wisconsin Department of Transportation
DT1241 2009

Research, Development and Technology Transfer	
Program: (Choose One)	
<input checked="" type="checkbox"/> Policy Research	<input type="checkbox"/> Pooled Fund TPF #
<input type="checkbox"/> Wisconsin Highway Research Program	<input type="checkbox"/> Other
Project Title: Low Cost Strategies to Increase Truck Parking in Wisconsin	
Administrative Contact/Phone #: Tom Martinelli/608-333-7563	WisDOT Project ID(s): 0092-08-28
WisDOT Technical Contact/Phone #: Dave Simon/608-266-7231	Other Project ID: CFIRE 01-04
Project Investigator/Phone # (agency & contact): Teresa Adams/608-263-3175	Approved Starting Date: 3/6/2008
WisDOT Comments:	Original End Date: 6/5/2009
	Current End Date: 6/5/2009
Sponsor: Wisconsin Department of Transportation	Number of Extensions: 0

Schedule Status:

- On schedule Ahead of schedule
 On revised schedule Behind schedule (Please explain below)

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
\$43,000.00	\$5,136.00	\$23,495.00	55%	60%

Project Description:

This project complements the MVFC trucking parking project by covering the major state highways. Locations with truck parking problems will be identified. Interviews with carriers and highway patrols will be done to understand the causes for the problems. Strategies and suggestions will be made to help alleviate the truck parking problems.

Progress This Quarter: (Includes project committee meetings, work plan status, contract status, significant progress, etc.)

Set up a booth at the Peoria, IL Midwest Truck Show on Feb 6 and 7th. Conducted over 70 surveys to capture truck drivers input on locations with critical truck parking shortages and ramp parking issues. Collected about 80 problematic parking locations.

We got parking facilities marked in all the 10-states; however we got most of the markers in the Illinois state and in Chicago area because most of the truck drivers at the event were local. Participants mentioned many important facts about parking issues other than what we covered in the questionnaires which should be very useful for the project report.

Contacted DOTs in MI, OH, and KY to get more survey responses. Collected about 65 parking facilities with truck parking shortfalls and ramp parking problems.

Carried out spatial analysis of the data collected in the surveys using K-means cluster algorithm to determine the priority spatial locations with truck parking issues.

Revised the draft of project report. Added more maps/results and suggested solutions based on the survey participants responses.

Contacted Minnesota, Indiana, Ohio and Michigan law enforcement and State DOT's about the current state of the truck parking situation, law enforcement strategies, the cost of maintenance and plans, if any for new trucking facilities.

Met with Illinois DOT about Intelligent Transportation Systems, discussed the use of 511 in Wisconsin and other mechanisms of advance communication.

Interviewed Parking Carma about their use of reservation systems and truck lot counting technology for pilot projects in California. Met with UC Berkeley and Navteq representatives at TRB to discuss how Caltrans is approaching truck parking and advance registration systems for users.

The research team met on March 10th by teleconference to review the report/revise the report outline.

Anticipated Work Next Quarter:

- Compiling truck parking inventory database and working on correlation analysis of the problem truck parking facilities and existing truck parking facilities.
- Addition of results from F2F and telephone interviews of people in trucking industry.
- Detailed geo-spatial analysis for the parking facilities along Wisconsin interstate and state highways.
- Revision of project draft report with new geo-spatial and statistical results.
- Final report submission.

Circumstances Affecting Progress and/or Budget:

none

Gantt Chart:

Task/Month	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Literature Review of Parking Management																			
Inventory designated parking facilities along MVFC freight corridors																			
Develop an interactive GIS tool to determine ramp parking																			
Survey of highway patrol on ramp parking																			
Interview carriers to determine issues at certain locations																			
Identify low cost strategies																			
Re-fine ranking and evaluate strategies																			
Overview of IT technologies for truck parking space utilization.																			
Final report including recommendations																			

	In progress
	done
	to do