

State of Wisconsin/Department of Transportation
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: March 31, 2009

Program: SPR-0010(36) FFY99	Part: II Research and Development
Project Title: MVFC Expanded Truck Parking Administrative Contact: Jason Bittner WisDOT Technical Contact: Dave Simon Approved by COR/Steering Committee: \$70,000 Project Investigator (agency & contact): Teresa Adams, UW-Madison	Project ID: MVFC 04 Sponsor: MVFC Pooled Fund Approved Starting Date: 11/1/07 Approved Ending Date: 5/31/09

Description:

Total study budget	Expenditures for current quarter	Total Expenditures to date	Percent Complete
\$70,000	\$5,174	\$62,647	90%

Progress This Quarter:

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.

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/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	done	done	done																
Inventory designated parking facilities along MVFC freight corridors		done	done	done	done														
Develop an interactive GIS tool to determine ramp parking			done	done	done	done													
Survey of highway patrol on ramp parking							done	done	done										
Interview carriers to determine issues at certain locations								done	done	done	done	done	done	done	done	done			
Identify low cost strategies							done	done	done	done	done	done	done	done	done	done	done		
Re-fine ranking and evaluate strategies										done	done	done	done	done	done	done	done		
Overview of IT technologies for truck parking space utilization.		done	done	done	done	done	done	done	done	done	done	done	done	done	done	done	done		
Final report including recommendations												to do	to do	to do	to do	to do	to do	to do	to do

	In progress
	done
	to do