

State of Wisconsin/Department of Transportation
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: June 30, 2010

Program: SPR-0010(36) FFY99	Part: II Research and Development
Project Title: Freight Performance Measures for Evaluating Multi-state projects	Project ID: MVFC-11
Administrative Contact: Jason Bittner	Sponsor: MVFC
WisDOT Technical Contact:	Approved Starting Date:
Approved by COR/Steering Committee:	Approved Ending Date: 9/30/11
Project Investigator (agency & contact): Ernie Wittwer	

Description:

Total study budget	Expenditures for current quarter	Total Expenditures to date	Percent Complete
73,333	23,115	55,722	70%

Progress This Quarter:

(Includes project committee mtgs, work plan status, contract status, significant progress, etc.)
 Met with University of Illinois-Chicago researchers to discuss data, information, and approach
 Contacted Chicago MPO staff to gather information
 Ongoing collaborations with Chicago MPO and CREATE consultant staff to gather information
 Teleconference with I-70 Truck Only lane staff to discuss approach for regional performance measures

Continued activities from previous quarter, including:

- Literature review on a multitude of economic impact software tools (Mid Oct)
- Literature review on broad economic impact studies, mainly academic (Mid Oct)
- Briefed you on FHWA tools and findings from CREATE project documentation (Late Oct)
- Literature review on the major concepts of performance measurements (early Nov)
- Literature review on other performance measurement projects by state and federal transportation agencies (early Nov)

- * Literature review of performance measures used to evaluate performance of transportation with a focus on freight performance. The primary freight performance measures identified are:
 - o Mobility: Average travel time; Average speed
 - o Reliability: Deviations from Average speed or travel time; Frequency of nonrecurring delays
 - o Economic: Benefit Cost Ratio; Freight contribution to GDP
 - o Safety: Freight-related crash rates; Insurance costs
 - o Environment: Emissions of different pollutants

* Survey of important information pertaining to CREATE that can be used to measure the performance of freight-related investments as different projects under CREATE are implemented.

Work Next Quarter:

Allocate available data to maps
 Continue to refine research and data sources. Consult with CREATE public and private sector experts.
 Develop matrix/intelligent map to measure and allocate benefits to states
 Conduct analysis for distributions of values weights between states
 Draft final report and appendix sections

Circumstances affecting progress/budget:

None