

OHIO DEPARTMENT OF TRANSPORTATION
QUARTERLY RESEARCH REPORT



For Quarter Ending: September 30, 2004

Date Submitted: November 11, 2004

Project Title: Upper Midwest Freight Corridor Study

Research Agency: University of Wisconsin-Madison

Principal Investigator(s): Dr. Teresa M. Adams

State Job No.: 134138

Agreement No.: 20252

Pooled Fund Study No. (if applicable): TPF-5 (078)

Project Start Date: August 19, 2003 Contract Funds Approved: \$360,003.80

Project Completion Date: Feb. 1, 2005 Spent To Date: \$272,335.34

% Funds Expended: 75.6% Work Done: 91.82% Time Expired: 76.9%

List the Technical Liaisons and other individuals who should receive copies of this report: Suzann Rhodes (ODOT), Stew Sonnenberg (FHWA)

SUMMARY OF PROGRESS FOR QUARTER:

Attach a progress schedule consisting of graphical information depicting (1) a schedule of research activities tied to the tasks defined in the proposal, (2) a comparative status of actual versus estimated expenditures, and (3) a percentage completion of the research.

ACCOMPLISHMENTS

Task 1

- The research team at the University of Illinois completed data collection for this study

Task 2

- The internet reporting site was opened for access to the research team

Task 5

- Final analysis of private sector survey was completed for the administrative issues area of the study

Task 6

- Work was done to update the files available on the website, such as archived meeting minutes and presentations

Task 7

- Two interviews of stakeholders in the best practices case studies were done.
- See section of this report titled *Contacts and Meetings* for details of meetings/interviews conducted by the research team.

Task 9

- Work continued on entering the current collection of resources on hand at the Midwest Regional University Transportation Center. At the end of the quarter, about 150 resources were entered into a database. This database is still unofficially accessible on the MRUTC's main website (www.mrutc.org/doclib).
- Worked on developing a process to work with FHWA's Freight Professional Development database of freight resources.
- Work was finished on the ITS/CVISN area of the study, mainly focused on the final reporting of this area.

Task 10

- Literature review was completed on three case studies, reviewing publicly available material on each case.

Task 11

- Completed the coding of link traffic volumes for Indiana and Wisconsin
- Completed coding final rail freight volumes in GIS map
- Work continues on the data reporting site to bring the flows and capacities together in a spatial setting (see task 2)
- For administrative impediments, the researchers completed compiling data for states in the region to qualify and discuss impacts of differences in truck size and weight regulations.

Task 12

- Discussed further research efforts with study stakeholders

Task 13

- Conducted analyses that have been included in the draft project report

Task 15

- Discussed further research efforts with study stakeholders

Task 16

- Work was completed for this task in the study

Task 17

- Agenda was finalized
- Workshop was executed and meeting summary and minutes were compiled. These were distributed to all attendees and study committees.

Final Report

- Version two of the draft report to be submitted to the Ohio Department of Transportation is currently being compiled and is scheduled for release on November 1, 2004.

DEFINITIONS OF ALL TASKS

Task 1: Collect data from public and private agencies/Literature review for performance measures and administrative issues.

Task 2: Design and implement database of freight information for optimal organization and easy access.

Task 3: Define, organize and layout the highway and rail networks that will be part of the study.

Task 4: Identify and map the significant airports, seaports and intermodal facilities in the study area.

Task 5: Release survey for planning agencies across the country, compile results of performance measure questions and administrative issues questions.

Task 6: Design and launch study website.

Task 7: Conduct State DOT and other stakeholders visits and interviews.

Task 8: Determine the capacity of the infrastructure identified in tasks 3 and 4.

Task 9: Research freight transportation planning activities in the region, including ITS CVISN plans.

Task 10: Research best practices for corridor studies.

Task 11: Identify system level bottlenecks that inhibit the flow of freight on the transportation network, including administrative impediments.

Task 12: Document data characteristics.

Task 13: Analysis of freight demand data.

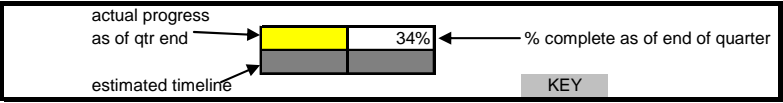
Task 14: Plan and execute second steering/advisory committee meeting.

Task 15: Identify next steps for demand data, such as forecasting.

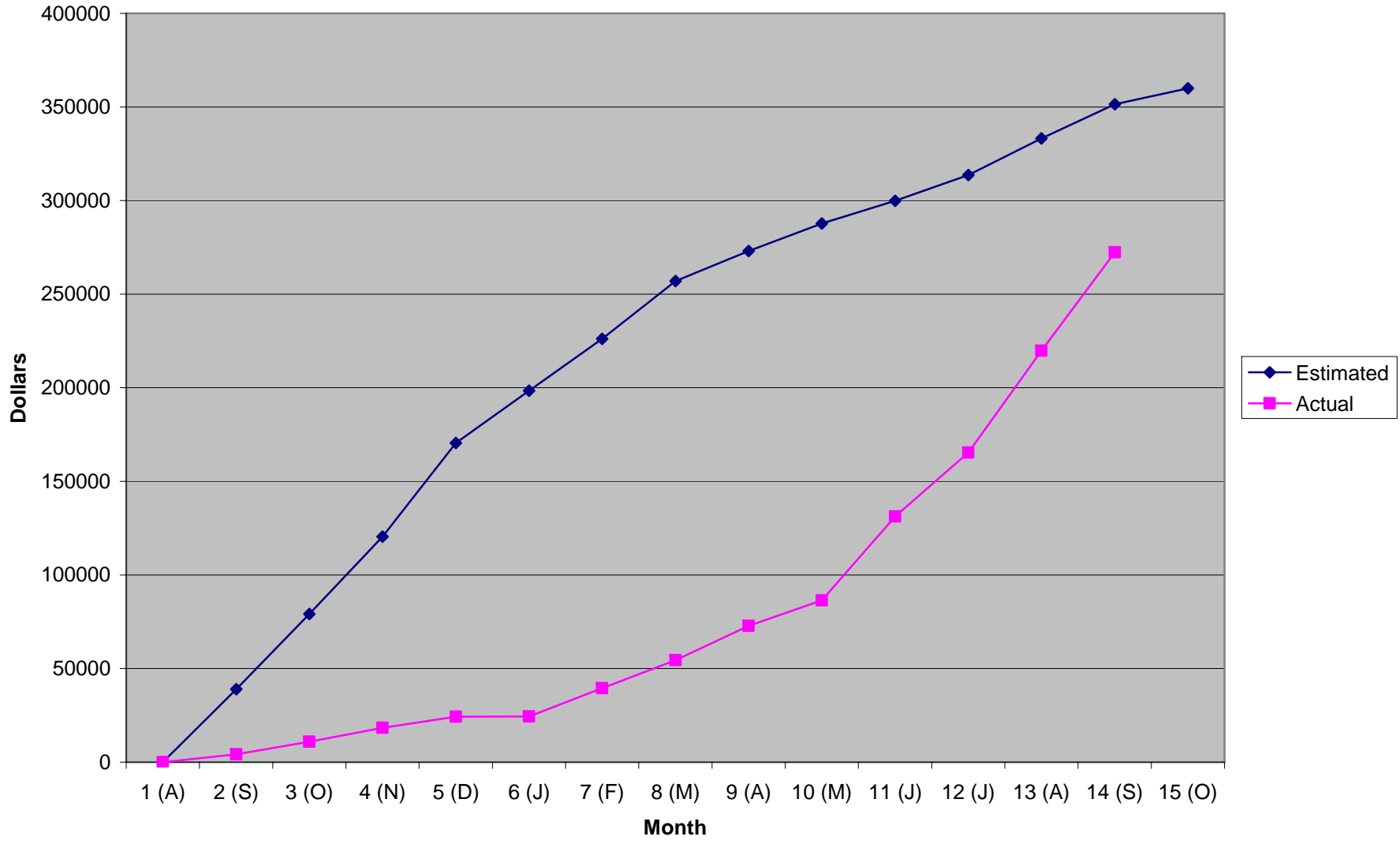
Task 16: Determine future bottlenecks.

Task 17: Plan and execute concluding workshop for the study.

TASKS	MONTH																TOTAL TASK COMPLETE		
	August	Sept	October	Nov	Dec	Jan	Feb	March	April	May	June	July	August	Sept	October	Nov		Dec	Jan
1														100%					100%
2															100%				100%
3			100%																100%
4													100%						100%
5														100%					100%
6															90%				90%
7															68%				68%
8													100%						100%
9															75%				75%
10															100%				100%
11															97%				97%
12															85%				85%
13															90%				90%
14													100%						100%
15														100%					100%
16															100%				100%
17															100%				100%
Final Report															86%				86%



Costs Estimated vs. Actual



PROPOSED WORK FOR NEW QUARTER:

Task 2

- The data reporting site, Midwest FreightView will be tested by several stakeholders in the region

Task 6

- Efforts will be made to update parts of the website as needed, such as the calendar and resources (which relates to task 9).

Task 7

- Interviews with stakeholders in multi-jurisdictional efforts will be done, possibly a site visit to follow up.
- To research freight efforts in the region, follow up will be done with state and provincial representatives from the second workshop. Interviews with MPOs and other freight research organizations in the region will be done if necessary.

Task 9

- Current collection of resources to be entered by end of the quarter.
- Team will continue to research the feasibility of continuing the clearinghouse beyond the study, with the help of FHWA-Freight Office.
- Interface improvements to the internet site will be made for the clearinghouse.

Task 11

- The research group at the University of Illinois at Chicago will finish coding their data in the GIS platform developed by the Toledo team.

Task 12

- At UIC, continue to document data catalogue, data collection and cleaning process, and quality of data

Task 13

- Conduct additional analyses to produce the information to be included in the final report

Task 15

- Participate in on-going discussions regarding the short-term and long-term ideas for this regional effort

Final Report

- Submit draft report to ODOT for review by November 1, 2004. Compile reviews and make necessary changes.

IMPLEMENTATION (if any):

-

PROBLEMS & RECOMMENDED SOLUTIONS (if applicable):

Describe any problems encountered or anticipated that might affect the completion of the project within the time, scope, and fiscal constraints set forth in the contract, along with recommended solutions to those problems. NOTING DIFFICULTIES IN THIS SECTION DOES **NOT** CONSTITUTE A REQUEST TO MODIFY THE PROJECT. Requests for additional time, money, or scope revisions must be submitted in a separate letter to the Office of R&D Administrator.

EQUIPMENT PURCHASED (if any):

-

CONTACTS & MEETINGS:

Describe any meetings or contacts with ODOT technical liaisons and other pertinent individuals relative to this project.

- Mississippi Valley AASHTO Meeting, Chicago, Ill., by Wittwer, Vonderembse and Gordon. Presented some of the preliminary results to a small group of DOT administrators. Discussion on the importance of freight and next steps of this regional effort. Scheduled follow up at the national AASHTO meeting. (7/14/04)
- Interview conducted by Gordon (via conference call) regarding the CREATE Program with Chicago DOT personnel Joe Alonzo, Coordinating Planner; Laura Guillot Wilkison, Project Coordinator, Legislation & Policy; Luann Hamilton, Director of Transportation Planning (7/28/04)
- Annual AASHTO Meeting, Philadelphia, Penn., by Wittwer and Vonderembse. Presented some of the preliminary results to a small group of DOT administrators. Discussion on the importance of freight and next steps of this regional effort. (9/17/04)
- Meeting with Rick Kuegel of the Minnesota Transportation Alliance, St. Paul, Minnesota, by Gordon (9/20/04)
- Midwest Planners Conference, Indianapolis, Indiana, by Wittwer. Fifteen minute presentation on the study and possible next steps. Attendance of about 50 people. (9/22/04)
- Interview conducted by Gordon (via phone) of Noreen Hazelton, Contract Manager, I-95 Corridor Coalition (9/29/04)

On August 10 and 11, 2004, the steering and advisory committees met with the research team in Chicago, Illinois. The meeting was organized in such a way that one part of the study gave an overview of their findings and then the committees had time to give the researchers feedback. The feedback sessions were done in different ways to give the participants some variety in the meeting structure. On the end of the first day, we also gave time to a couple of entrepreneurs that wanted to demonstrate their technologies for moving freight more efficiently. A reception followed.

The second day came to a close around 3pm. The final hour of that day was spent talking about next steps, since this was the last scheduled meeting of the study.

Attendees at this event are below:

First	Last	Title	ORGANIZATION
Teresa	Adams	Professor	UNIV. OF WI - MADISON
Joe	Alonzo	Transportation Planner	CITY OF CHICAGO D.O.T.
Raja	Andela	Research Assistant	THE UNIVERSITY OF TOLEDO
Jackie	Anders	Transportation Planner	NW INDIANA REG. PLNG. AGENCY
Doris	Bautch	Director, Great Lakes Region	MARITIME ADMINISTRATION
Sandra	Beaupre	Director, Planning	WISC. DEPT. OF TRANSPORTATION
Tom	Beck	Rail Planner	IN DEPT. OF TRANSPORTATION
Bruce	Betts	V.P., Business Development	OZINGA TRANSPORTATION
Jason	Bittner	Program Manager	MIDWEST REG. UNIV. TRANS. CTR.
William	Browder	Dir. Of Operations	ASSN. OF AMERICAN RAILROADS
Kevin	Brubaker	Dir. Of Operations	ENV. LAW & POLICY CENTER
Keith	Brumbaugh	Commercialization Manager	NASA ILLINOIS - BATTELLE
Joe	Bryan	President	REEBIE ASSOCIATES
David	Chandler	Senior Business Analyst	CTR. FOR NEIGHBORHOOD TECH.
Bruce	Dahnke	President	SKYTECH TRANSPORTATION INC.
Matthew	Dietrich	Assistant Director	OH RAIL DEVELOPMENT COMMISSION
David	Dysard	V.P. Of Transportation	TMACOG
Laura	Franke	Project Assistant	U.W. - MADISON
Jay	Franke	Asst. Director	NORTHWESTERN UNIV. TRANS. CTR.
Tim	Gallagan	Planner	TMACOG
Ujaval	Gandhi	Project Assistant	UNIV. OF WI - MADISON
Bill	Gardner	Dir., Freight Plng. & Dev.	MN DEPT. OF TRANSPORTATION
Travis	Gordon	Project Manager	MIDWEST REG. UNIV. TRANS. CTR.
Jiwan	Gupta	Professor	THE UNIVERSITY OF TOLEDO
Stephanie	Hickman	Community Planner	FHWA
J. Lee	Hutchins	Program Leader	ENSR INTERNATIONAL
Ethan	Johnson	Program/Planning Analyst	WI DOT
Kazuya	Kawamura	Assistant Professor	UNIV. OF ILLINOIS - CHICAGO
Zongzhi	Li	Assistant Professor	IL INSTITUTE OF TECHNOLOGY
Peter	Lindquist	Associate Professor	UNIVERSITY OF TOLEDO
Sue	Mc Neil	Director And Professor	URBAN TRANSPORTATION CENTER
Dean	Mentjes	Mobility Engineer	FHWA - ILLINOIS DIVISION
James Jay	Motsinger		MOTNET ENGINEERING
Craig	O'Riley	Transportation Planner	IOWA D O T
Francis	Owens		IOWA CORN GROWERS ASSOCIATION
Srikanth	Palem	Research Assistant	THE UNIVERSITY OF TOLEDO
Marc	Petty	Vice President	SKYTECH TRANSPORTATION
Suzann	Rhodes	Administrator	OHIO DEPT. OF TRANSPORTATION
Laurence	Rohter	Adjunct Professor	IL INSTITUTE OF TECHNOLOGY
Karyn	Romano	Transportation Director	METROPOLITAN PLANNING COUNCIL
Howard	Rosen	Director, Continuing Educ.	MIDWEST REG. UNIV. TRANS. CTR.
Donna	Rushing	Hwy. Systems Eval. Specialist	IL DEPT. OF TRANSPORTATION
George	Scelzo	President	PRT ADVANCED MAG-LEV SYSTEMS
Ann	Schell	Assistant Director	ECWRPC
Matt	Selhorst	Deputy Director	OHIO DEPT. OF TRANSPORTATION
Tony	Shallow	Senior Economist	TRANSPORT CANADA, ONTARIO

			REG.
Keith	Sherman	Chief, Planning & Systems	ILLINOIS DOT
Scott	Sigman	Sr. Director, Intermodal	PORTS OF INDIANA
Ronald	Sucik	Director, Market Development	TTX COMPANY
Rob	Tardif	Senior Planner	ONTARIO MINISTRY OF TRANSP.
Stuart	Theis	Maritime Consultant	CLEVELAND-CUYAHOGA CO. PORT AUTH.
Brian	Tremblay	Sr. Buyer -Trans. Procurement	KRAFT FOODS
John	Varda	Attorney	DE WITT ROSS & STEVENS
Mark	Vonderembse	Interim Director	THE UNIVERSITY OF TOLEDO
Norman	West	Student	UIC
Ernie	Wittwer	Director	MIDWEST REG. UNIV. TRANS. CTR.
Jacquelyn	York		U.S. DEPT. OF ENERGY