

Midwest Regional University Transportation Center
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: December 31, 2004

Project Title: Accelerated Construction Decision-Making Process for Bridges	Project ID: 05-04
Administrative Contact: Jason Bittner	Sponsor: MRUTC
WisDOT Technical Contact: Nina McLawhorn	Approved Starting Date: Oct. 2004
Approved by COR/Steering Committee: \$194,164	Approved Ending Date: Sep. 2005
Project Investigator (agency & contact): University of Cincinnati, Dr. Sam Salem	

Description: The research team is proposing a model for evaluating the factors affecting accelerated bridge construction decisions in State DOTs based on specific project conditions. The model will focus on the factors that affect the decision making process but yet are not considered by policy makers and not reflected by policies. Determining these factors and their effects on the decision making process will help policy makers eliminate or reduce the negative impacts of these factors on accelerated construction decisions.

Total study budget	Expenditures for current quarter	Total Expenditures to date
69,164	10,479.07	10,479.07

Percent Complete: 25%

Progress this Quarter:

1. A comprehensive review of available literature on various aspects of accelerated construction has been carried out. Various research papers from ASCE, FHWA, TRB, ODOT (SI #9) etc in the areas of innovative contracting, prefabricated systems for bridge construction, innovative finance, user costs etc. have been studied and evaluated. The reports on workshops conducted by ACCT in Washington D.C., Indiana and Pennsylvania have been studied thoroughly.
2. Preliminary work on the Questionnaire has been completed and it is currently being evaluated.
3. Preliminary interviews with ODOT transportation officials and industry experts have been completed.
4. Observations of accelerated bridge construction projects.

Work Next Quarter:

1. Finalization of the Questionnaire and mailing it out.
2. Reviewing documentation on Accelerated Construction Project
3. Observations of accelerated bridge construction projects.

Task	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Literature Review												
Preliminary Interviews												
Questionnaire Preparation												
Observation of Accelerated Bridge Construction												
Preliminary Formulation Of the Decision Making Model												
Expert Input on Model												
Model Validation												
Final Report												