Lock Performance

Start Date: Jun 2004

Projected End Date: Jun 2005

POC:

POC

Problem Addressed:

The efficiency of the nation's inland waterway system depends heavily on the performance of lock and dam systems and how timely they are in passing barges through their pools. Additional data on the performance time and relative efficiency of the nation's various lock and dam systems is therefore critical to effective planning

Objective:

This study will develop a model for evaluating lock performance by analyzing a number of relevant factors including: structural design, size of tows, equipment in the lock and on the barges, weather conditions, river levels, etc.

Benefits:

A better understanding of lock and time performance will enable Corps planners to better prioritize maintenance and construction projects and better understand the benefits and costs of planned projects.

Status:

Completed.

Contract Data:

120171, A1280

Progress:

Paper by Wesley Wilson *(104 KB, pdf)*

Presentation by Wesley Wilson *(160 KB, ppt)*

Products (Bookshelf/Toolbox):

Report by Wesley W. Wilson, Nov 14,2005 *(447 KB, pdf)*

Related Links:

Navigation Economic Technologies

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