Information Clearinghouse for Utilities: National Database

Proposed & Completed Clearinghouse Research
Need

Development and maintenance of utilities information clearinghouse

(Determined by State DOT utility managers at 2008 AASHTO ROW&U Conference)
Research Needs Statement

• Developed for AASHTO ROW&U by TRB Utilities Committee
• Submitted by AASHTO ROW&U for 2012 NCHRP 20-05 (Synthesis) funding & rejected
• Will be submitted for 2013 NCHRP or NCHRP 20-07 funding
Clearinghouse Objectives

1. Identify stakeholders (government, utilities, academia, etc.)
2. Conduct survey of stakeholders and practitioners to help characterize the purpose, content, and structure of a national clearinghouse for utilities
More Clearinghouse Objectives

3. Investigate successful information clearinghouses, preferably transportation clearinghouses, and identify key features

4. Develop & test prototype architecture for a web-based information clearinghouse
More Clearinghouse Objectives

Prepare implementation plan including:

• start-up and annual costs
• potential funding sources
• maintenance responsibilities
• sources of information
• staff requirements
• warehousing needs
• information exchange protocols
Objective #3

Investigate successful information clearinghouses, preferably transportation clearinghouses, and identify key features
NCHRP Research

• 1995 -- NCHRP 20-24(13) -- Innovative Financing Clearinghouse
• 1995 -- NCHRP 20-07/Task 061 -- Design of Metrication Clearinghouse
• 1999 -- NCHRP 20-07/Task 080 -- Information Clearinghouse for Continuous Quality Improvement
NCHRP Research

• 2004 -- NCHRP 20-59(07) & 20-59(07)A -- *Transportation Security Information Clearinghouse*

• 2009 -- NCHRP 25-25/Task 44 -- *Development and Implementation of a Transportation and Climate Change Clearinghouse*
Summary of NCHRP Research

• NCHRP Clearinghouse Research
  – Innovative financing
  – Metrication
  – Quality improvement
  – Transportation security
  – Transportation and climate change
Details of NCHRP Research

1995 -- NCHRP 20-24(13) -- *Innovative Financing Clearinghouse*

- Identified users and assessed their needs
- Investigated clearinghouses in other areas
- Developed a plan to promote and market the use of the clearinghouse

- See [www.innovativefinance.org](http://www.innovativefinance.org)
Details of NCHRP Research

1995 -- NCHRP 20-07/Task 061 -- *Design of Metrication Clearinghouse*

- Designed a plan for organizing and operating a metrication clearinghouse
- Assessed metrication needs
- Developed a plan of action
Details of NCHRP Research

1999 -- NCHRP 20-07/Task 080 -- Information Clearinghouse for Continuous Quality Improvement

- Designed a plan for organizing and operating a clearinghouse
- Assessed needs
- Developed a plan of action
Details of NCHRP Research

2004 -- NCHRP 20-59(07) & 20-59(07)A -- Transportation Security Information Clearinghouse & White Paper

• Developed a transportation security information web site portal prototype
• Prepared white papers for AASHTO
Details of NCHRP Research

2009 -- NCHRP 25-25/Task 44 --

*Development and Implementation of a Transportation and Climate Change Clearinghouse*

• Developed and implemented a U.S. DOT clearinghouse to serve as a “one-stop” source of information for the transportation community at [http://climate.dot.gov](http://climate.dot.gov)
Next Steps

- Obtain funding
- Select consultant
- Obtain information about existing clearinghouses
- Develop prototype utilities clearinghouse
- Implement utilities clearinghouse