

Information Clearinghouse for Utilities: National Database

Proposed & Completed Clearinghouse Research

2012 AASHTO Subcommittee on Right of Way and Utilities Conference

Marriott Waterfront Hotel – Portland, Oregon
April 29 to May 3, 2012



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Need

Development and maintenance of
utilities information clearinghouse

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

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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

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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

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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

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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

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Objective #3

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

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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*

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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*

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Summary of NCHRP Research

- NCHRP Clearinghouse Research
 - Innovative financing
 - Metrication
 - Quality improvement
 - Transportation security
 - Transportation and climate change

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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

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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

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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

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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>

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Next Steps

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

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