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Developing a data publication workflow: collaboration between units at Purdue

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DEVELOPING A DATA PUBLICATION WORKFLOW

COLLABORATION BETWEEN UNITS AT PURDUE

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Data Specialist, Assistant Professor of Library Science

Wednesday, March 26, 2014
Players:
• Purdue University Libraries (PUL)
  • Data & Metadata Services
  • D2C2
  • Purdue University Press
• Joint Transportation Research Program
• Civil Engineering Faculty

Shared goals:
• Compliance with funder requirements
• Expose data
• Create an integrated publishing workflow linking tech reports and data

Actions:
• Identify use case
• Stage datasets in PURR
• Format and stage technical report
• Linking the data
REPOSITORIES
A SERVICE MODEL OF COLLABORATION

Purdue e-Pubs and the Purdue University Research Repository (PURR)
EVOLVING WORKFLOWS
PURDUE UNIVERSITY PRESS/PURDUE E-PUBS/JTRP

From...

To...

e-Pubs

From a physical cluttered environment to an organized digital platform, the transition highlights the efficiency and accessibility of e-Pubs. This demonstrates the shift from traditional to digital workflows in academic researchANDARD TEXTUAL DATA

This Web page portal lists over 1,300 technical reports published as part of the JTRP, and subsequently JTRP, collaborative venture between Purdue University and the Indiana Department of Transportation. Additional details regarding the history of JTRP, as well as current activities of the JTRP program, can be found by clicking on the respective hyperlinks.

Technical Reports from 2012

FHWA/IN/JTRP-2012/01, Analysis and Methods of Improvement of Safety at High-Speed Rural Intersections, Andrew P. Tarko, Samuel Lacknor, and Panoigicis Panagakopoulos, SPR-3316


FHWA/IN/JTRP-2012/03, Evaluation of Reclaimed Asphalt Pavement for Surface Mixtures, Rebecca S. McDaniel, Karol J. Kowalski, and Ayesha Shah, SPR-3018

FHWA/IN/JTRP-2012/04, Evaluation of Pavement Surface Friction Treatments, Shuo Li, Samy Neuradl, Yi Jiang, and Yanjin Sun, SPR-3088

FHWA/IN/JTRP-2012/06, Application of Travel Time Information for Traffic Management, Christopher M.
EVOLVING WORKFLOWS

PURDUE LIBRARIES/PURR/JTRP

From...

To...

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Please try the Home Page OR Search:
LINKING TECHNICAL REPORTS AND DATA
COHESIVE PUBLICATION WORKFLOW

1. DMP
2. DOI
3. Metadata

PI = principal investigator
SAC = study advisory committee
PA = project administrator
PURR = Purdue University Research Repository
SSL = Subject Specialist Liaison

q) Post Production:
   - Data/Tech Report Link
   - Tech Summary
   - DOIs
   - Persistent URL
   - Indexing
   - Archiving
   - Print on Demand

r) Measurements of Impact:
   - Altmetrics
   - Citations
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Purdue University Libraries
DATA

JTRP TECHNICAL REPORTS

Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges

Amit H. Varma, Purdue University
Youngmoo Sohn, Purdue University

Recommended Citation

DOI
10.5703/1288284315184

Comments
Supplementary videos for SPR-3105:
Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges

Amit H. Varma
Youngmoo Sohn

Publication: N 2 Span Damage - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges
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RESEARCHERS PERSPECTIVE

- Metadata
  - Enriching research reports and technical dissemination
  - Recordings of experimental behavior, failure
  - Data streams
  - Analytical models and predictions

- Dissemination with knowledge transfer

- DOI: Digital Object Identifier
  - Most important aspect… permanent address on the web
  - Reference, one click away
Thank You

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