

1-2014

Evolution of Data Creation, Management, Publication, and Curation in the Research Process

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Zilinski, L., Scherer, D., Bullock, D., Horton, D., and Matthews, C. (2014). "Evolution of Data Creation, Management, Publication, and Curation in the Research Process" Transportation Research Board 93rd Annual Meeting, Washington, DC.

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EVOLUTION OF DATA CREATION, MANAGEMENT, PUBLICATION, AND CURATION IN THE RESEARCH PROCESS

PAPER 14-0664: A CASE STUDY FROM PURDUE

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#TRBAM

Monday, January 13, 2014

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PUBLICATIONS AND DATA CHANGES IN PUBLIC POLICY

CHANGES IN PUBLIC POLICY

National Institutes of Health (NIH) – 2003

“The NIH expects and supports the timely release and sharing of final research data from NIH-supported studies for use by other researchers.”

National Institutes of Health (NIH) – 2008

“It requires scientists to submit final peer-reviewed journal manuscripts that arise from NIH funds to the digital archive PubMed Central upon acceptance for publication.”

National Science Foundation (NSF) – 2011

“Plans for data management and sharing of the products of research. Proposals must include a supplementary document of no more than two pages labeled ‘Data Management Plan’. This supplement should describe how the proposal will conform to NSF policy on the dissemination and sharing of research results.”

White House Office of Science and Technology Policy (OSTP) – 2013

*“The Office of Science and Technology Policy (OSTP) hereby directs each Federal agency with over \$100 million in annual conduct of research and development expenditures to develop a plan to support increased public access to the results of research funded by the Federal Government. Further, each agency plan for **both scientific publications and digital scientific data...**”*

TRANSPORTATION RESEARCH

POLICY CHANGES TO FOLLOW?

State Planning and Research (SPR) Funds

- **Approximately \$190 Million/year**

Federal Highway Administration (FHWA)

- **Reduction of duplicative research activities**

U.S. Department of Transportation

- **Response to OSTP Memo**



PAST PRACTICES

PAST PRACTICES

ACCESSIBILITY AND DISCOVERABILITY OPPORTUNITIES



The header features the AASHTO Journal logo on the left, with 'AASHTO' in a bold, sans-serif font and 'Journal' in a script font below it. To the right, 'Weekly Transportation Report' is written in a smaller, sans-serif font. Below the logo, there are navigation links: 'HOME | SHARE | PRINT | SUBSCRIBE | ARCHIVE'. To the right of these links is a search bar with the text 'SEARCH:' and a 'GO' button. The date 'November 22, 2013' is positioned at the bottom right of the header area.

AASHTO Research Committee Awards 2013 Sweet Sixteen High Value Research Projects

The Research Advisory Committee (RAC) to the American Association of State Highway and Transportation Officials' Standing Committee on Research (SCOR) awarded its 2013 Sweet Sixteen High Value Research Projects at the AASHTO Annual Meeting, held in last month in Denver.

Each year, RAC collects High Value Research highlights from state transportation departments across the nation to showcase projects that are providing transportation excellence through research. This year's "Research Sweet 16" winners are:

Region 1

- Connecticut Department of Transportation: Use of Streaming Media and Digital Media Technologies at CTDOT
- District Department of Transportation: Innovative Bicycle Facility Research and Analysis
- Maine Department of Transportation: Use of Moisture Induced Stress Testing to Evaluate Stripping Potential of Hot Mix Asphalt (HMA)
- New Jersey Department of Transportation: Elimination of Weight Restriction on Amtrak, NJ Transit, and Conrail Line

Region 2

- Arkansas State Highway and Transportation Department: Design, Construction and Monitoring of Roller Compacted Concrete Pavement in the Fayetteville Shale Play
- Florida Department of Transportation: Aging Driver and Pedestrian Safety: Human Factors Studies
- Georgia Department of Transportation: Recommended Guide for Next Generation of Transportation Design-Build Procurement and Contracting in the State of Georgia
- Louisiana Department of Transportation and Development: Louisiana Legislature Acts on Research to Add Additional Axle to Overloaded Sugar Cane Trucks

Region 3

- Illinois Department of Transportation: Best Practices for Implementation of Tack Coat Technical Review Panel (TRP) Recommendations
- Indiana Department of Transportation: Analysis and Methods of Improvements of Safety at High-Speed Rural Intersections
- Iowa Department of Transportation: Evaluation of the RapidAir 457 Air Void Analyzer
- Michigan Department of Transportation: Impact of Non-Freeway Rumble Strips – Phase 1

Region 4

- California Department of Transportation: Accident Risk Analysis Tool
- South Dakota Department of Transportation: Energy Management Program for SDDOT
- Utah Department of Transportation: Identifying Characteristics of High-Risk Intersections for Pedestrians and Cyclists
- Wyoming Department of Transportation: Variable Speed Limit System for I-80 Elk Mountain, Wyoming, Corridor



CASE STUDY

PURDUE LIBRARIES & THE JOINT TRANSPORTATION RESEARCH PROGRAM

INTRODUCING JTRP

JOINT TRANSPORTATION RESEARCH PROGRAM



JTRP Transportation innovation since 1937

CELEBRATING 75 YEARS

JTRP RESEARCH YIELDS GOVERNOR'S AWARD

Fifteen INDOT employees were recognized by Governor Daniels for implementing the JTRP Research Recommendations from SPR-3411, "Recovering Full Repair Costs of INDOT Infrastructure Damaged by Motor Vehicle Crashes."

More Info >>

— PREVIOUS NEXT —

Mission Purdue Road School Research Projects Administration Principal Investigator Resources

RECENT REPORTS

- INDOT Technical Training Plan
- Use of Barriers in Rural Open Road Conditions—A Synthesis Study
- INDOT Construction Inspection Priorities
- Dowel Bar Retrofit Mix Design and Specification
- Evaluation of Reclaimed Asphalt Pavement for Surface Mixtures
- More Reports >>

NEWS

- JTRP Moves to New Location
- INDOT Team Receive Governor's Award for Implementing JTRP Research Recommendations
- 2012 Purdue Road School
- Students Receive USDOT Eisenhower Fellowship
- Research Implementation Featured on Fox59
- Past News >>

SPOTLIGHTS

- Digitization of JTRP Technical Reports Completed
- Recent News Articles Highlighting Traffic Signal Research Implementations
- Purdue Civil Engineering Building Named in Honor of Former JTRP Student
- Purdue Institute of Traffic Engineers Student Chapter Wins District "Traffic Bowl" and Headed to Atlanta in August for National Competition
- More Spotlights >>

JTRP: Room 303 ENAD, 400 Centennial Mall Drive, West Lafayette, IN 47907-2010 ([Click for Google Map](#))
Phone: (765) 494-6508 or Email: jtrp@purdue.edu
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Established 1936 as a collaboration between INDOT and Purdue

Now a \$5.3M annual investment in around 270 Purdue University students, faculty, and staff

Goal is to improve the efficiency of the Indiana transportation system and infrastructure

ALL HANDS MEETINGS

PUL AND JTRP

Meetings (March-June 2013):

- Purdue University Libraries (PUL)
- JTRP-PUL Meeting

Shared goals:

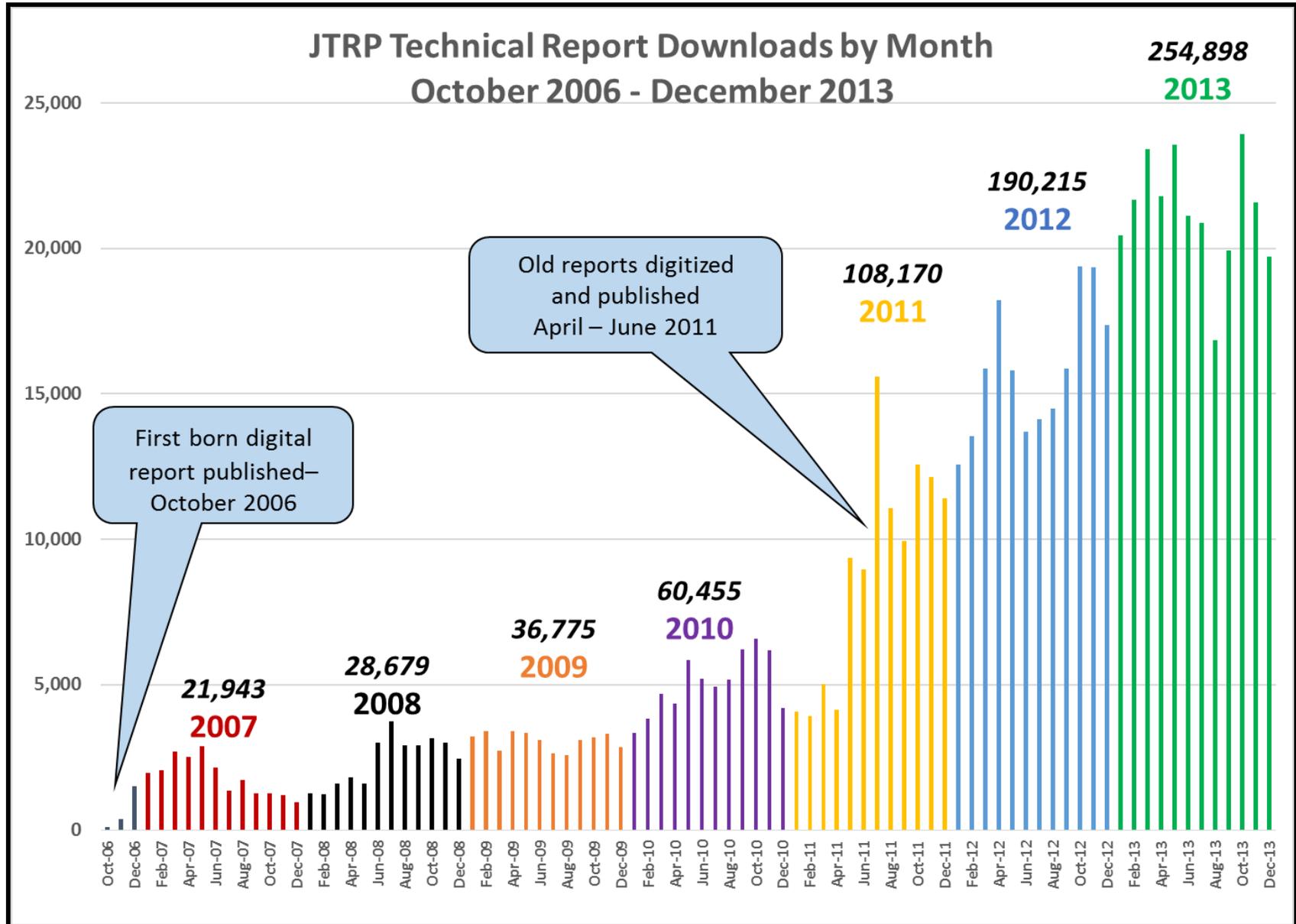
- Compliance with funder requirements
- Expose data
- Create an integrated publishing workflow linking tech reports and data

Actions:

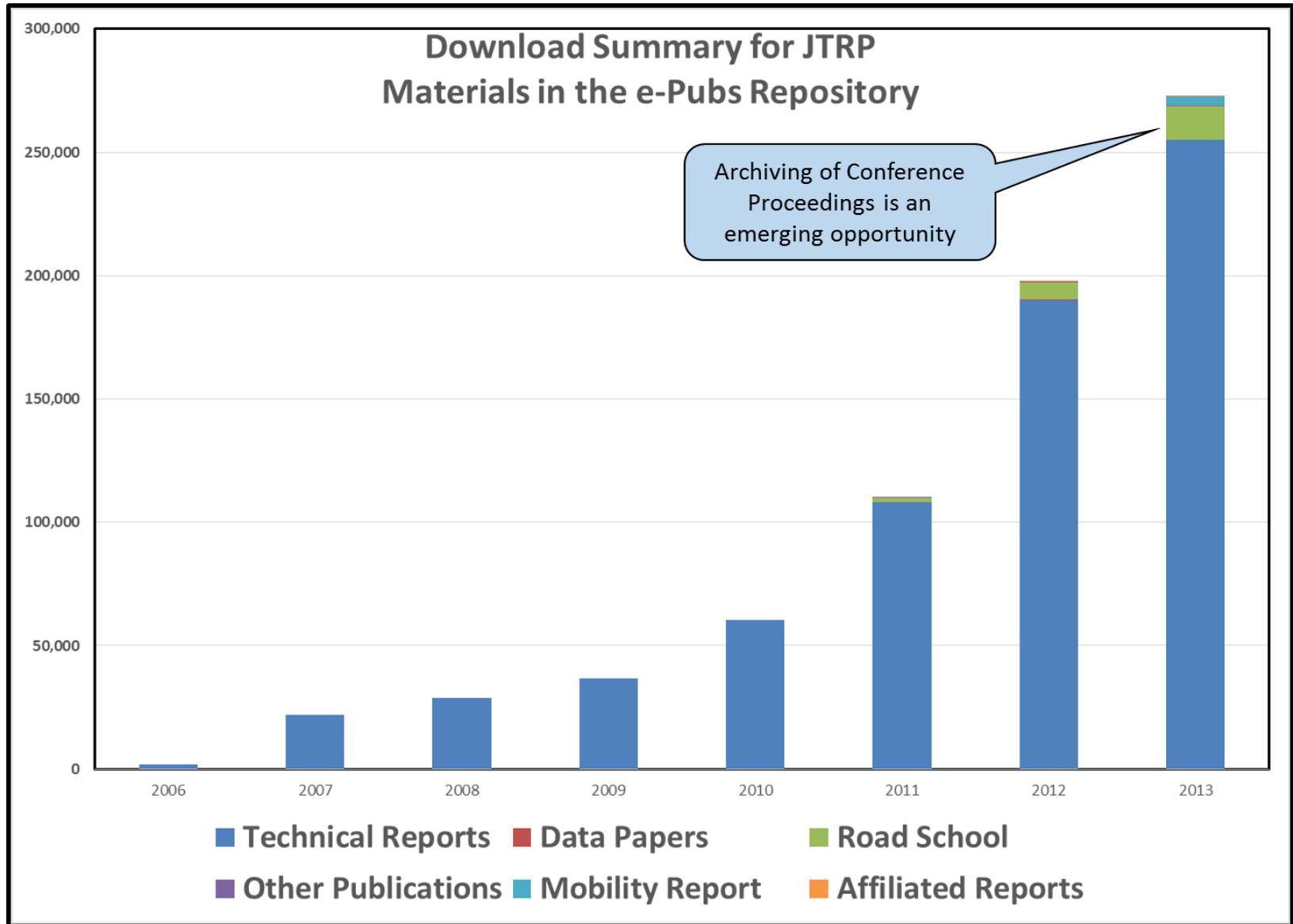
- Identify use case
- Stage datasets in PURR
- Format and stage tech report
- Linking the data



PUBLICATION IMPACT



PUBLICATION IMPACT



EVOLVING WORKFLOWS

PURDUE UNIVERSITY PRESS/PURDUE E-PUBS/JTRP

From...



To...

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JTRP TECHNICAL REPORTS



This Web page portal lists over 1,500 technical reports published as part of the JHRP, and subsequently JTRP, collaborative venture between [Purdue University](#) and the [Indiana Department of Transportation](#). Additional details regarding the [history of JHRP](#), 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 Leckrone, and Panagiotis Anastasopoulos, SPR-3316
- FHWA/IN/JTRP-2012/02, [Identifying Traffic Safety Needs – A Systematic Approach: Research Report and User Manual](#), Andrew P. Tarko, Shafiu Md Azam, Jose Thomaz, and Mario Romero, SPR-3315
- 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 Noureldin, Yi Jiang, and Yanna Sun, SPR-3088
- FHWA/IN/JTRP-2012/06, [Application of Travel Time Information for Traffic Management](#), Christopher M.



REPOSITORIES

A SERVICE MODEL OF COLLABORATION

Purdue e-Pubs and the Purdue University Research Repository (PURR)

Publications

The screenshot shows the Purdue e-Pubs website. At the top, the Purdue University logo is on the left, and "e-Pubs" is in large white text on a dark background. Below the header is a navigation menu with "Home", "About", "FAQ", and "My Account". A search bar is on the left with "Enter search terms:" and a "Search" button. Below the search bar are dropdown menus for "in this repository" and "Advanced Search". A "Notify me via email or RSS" link is also present. On the right, there's a "Browse and Search by:" section with a "Follow" button and a list of categories: "Author Names", "Departments and Centers at Purdue", "Purdue University Press", and "Doctoral Dissertations". A paragraph describes the service: "Purdue e-Pubs is a service of the Purdue University Libraries, providing online publishing support for original publications as well as hosting for Purdue-affiliated articles, reports, conference proceedings, student scholarship, and more. Contact the [Libraries](#) to discuss opportunities to bring additional Purdue-affiliated scholarship online." Below this is a circular chart titled "Explore works in 450 disciplines" with a "View Larger" link. To the right of the chart is an "At a Glance" section with "Top 10 Downloads All time" and "Recent Additions 50 most recent additions". Below that is a "Paper of the Day" section featuring the article "Absolute measurement of hadronic branching fractions of the D-s(+)-meson" by J. P. Alexander, K. Berkelman, et al. At the bottom, statistics are shown: "31,736 papers to date", "5,445,615 full-text downloads to date", and "2,339,540 downloads in the past year". The footer includes the Digital Commons logo and navigation links.

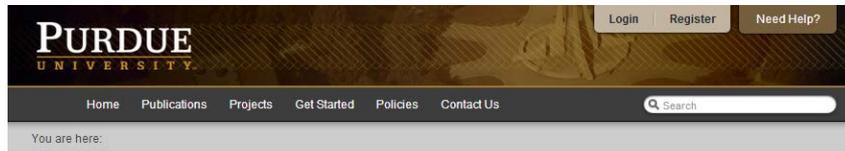
Data

The screenshot shows the Purdue University Research Repository (PURR) website. At the top, the Purdue University logo is on the left, and "Purdue University Research Repository" is in white text on a dark background. Below the header is a navigation menu with "Home", "Publications", "Projects", "Get Started", "Policies", and "Contact Us". A search bar is on the right. A "What is PURR?" section is prominent, with a video player below it. The text says: "The Purdue University Research Repository (PURR) provides an online, collaborative working space and data-sharing platform to support the data management needs of Purdue researchers and their collaborators." Below the video player is a "Start Your Research Project" section with three items: "Create a Data Management Plan", "Upload Research Data to Your Project", and "Publish your Dataset". To the right is a "Featured Dataset" section for "Linking Pressure and Saturation through Interfacial Areas in Porous Media" by V. V. Niasar, S. Hassanizadeh, L. Pyrak-Nolte, C. Berentsen, Purdue University, University of Utrecht. Below this is a "Do you have a question?" section with a "Ask a Librarian" form. The footer includes navigation links and copyright information: "Copyright © 2013 Purdue University. All Rights Reserved. Powered by HUBzero® a Purdue project".

EVOLVING WORKFLOWS

PURDUE LIBRARIES/PURR/JTRP

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To...



S-1 Span Damage - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges

By Amit H. Varma¹, Youngmoo Sohn¹
Purdue University

Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Bridges

Listed in Databases

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Abstract Guidelines for conducting heat straightening repair have been developed by FHWA and many DOTs. The guidelines establish limits for: (a) the maximum damage that can be repaired, (b) the maximum restraining force, and (c) the maximum heating temperature to prevent the side effects of heat straightening repair process.

However the heat straightening guidelines are violated in the field due to time and economic issues. These violations include, but are not limited to: (a) under heating below 1200°F, (b) over heating above 1200°F, (c) over straining above restraining force limit (0.5 Mp) and (d) multiple heat straightening of the same beam more than two times.

Currently, there is a lack of knowledge of the effects of these imperfections in the heat straightening repair process on the condition and serviceability of the damaged-repaired beams. This knowledge is needed to develop more realistic guidelines for evaluating and replacing bridge members subjected to damage followed by imperfect heat straightening repair.

The overall goal of this research is to develop recommendations and guidelines for evaluating steel beam bridges in Indiana subjected to damage followed by heat straightening repair with imperfections (overstraining, overheating, or multiple heat straightening).

Cite this work Researchers should cite this work as follows:

Amit H. Varma, Youngmoo Sohn, (2013), "S-1 Span Damage - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges". (DOI: 10.4231/D3R4B2G)
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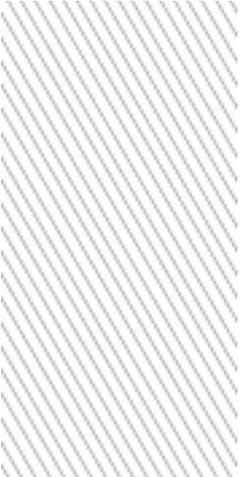
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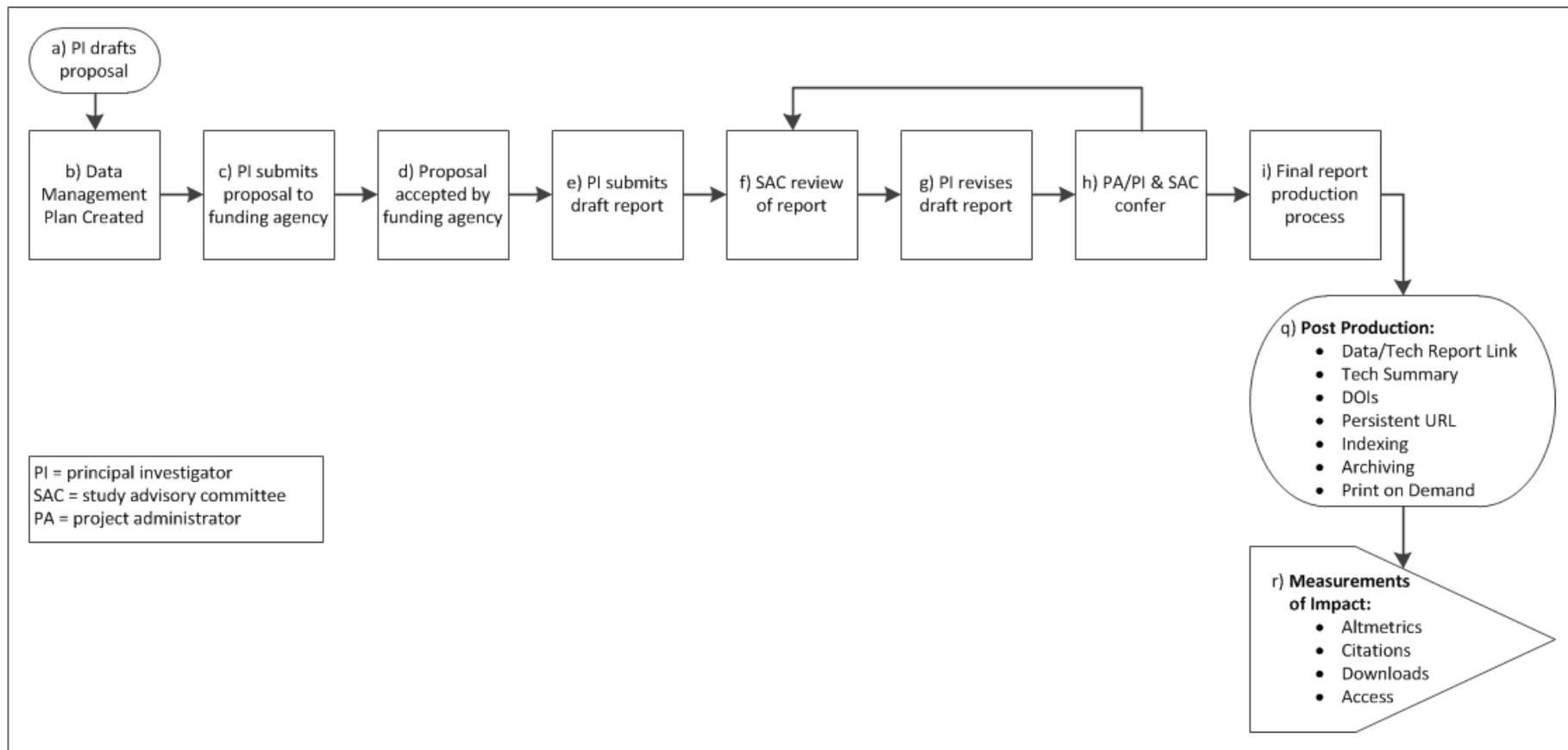
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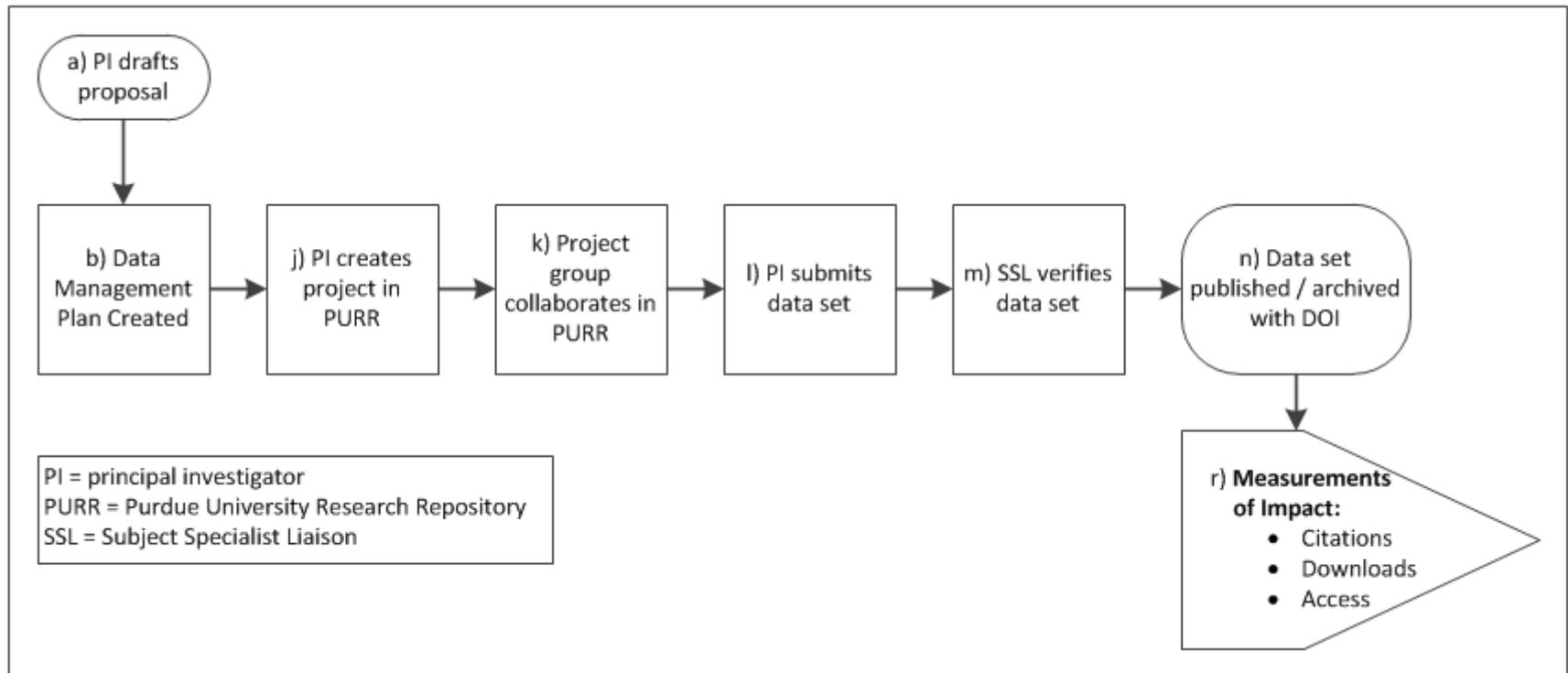
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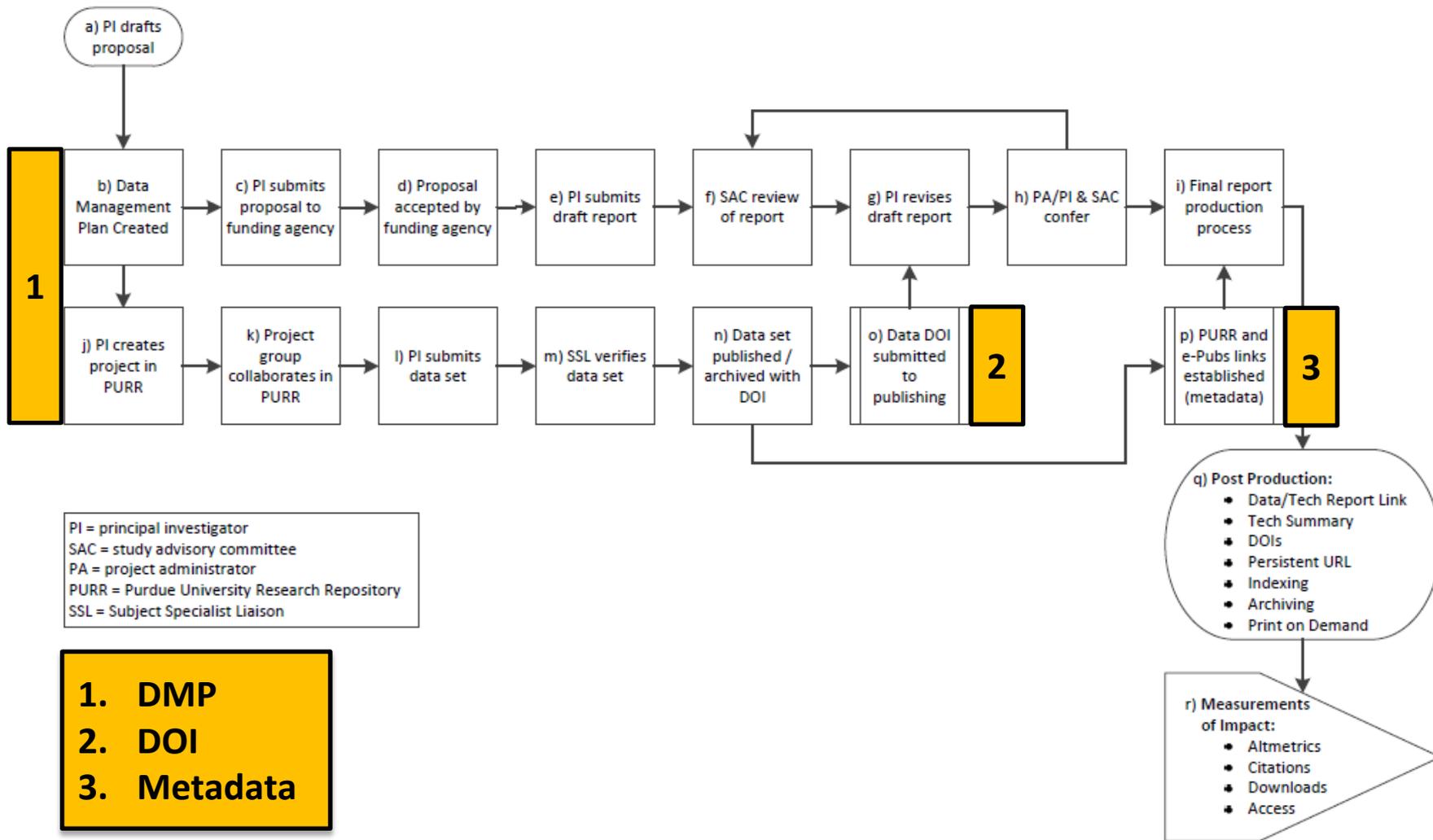
DATA MANAGEMENT PLANNING , COLLABORATION, PUBLISHING, & PRESERVATION





LINKING TECHNICAL REPORTS AND DATA

COHESIVE PUBLICATION WORKFLOW



JTRP LINKED PUBLICATIONS

TECHNICAL REPORT

- Varma, A. H. and Y. Sohn, "[Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges](#)," Publication FHWA/IN/JTRP-2013/03, Joint Transportation Research Program, Indiana Department of Transportation and Purdue University, West Lafayette, Indiana, 2013. (DOI: [10.5703/1288284315184](#)).

DATA

- Amit Varma, Youngmoo Sohn, (2013), "ADJUSTING FORCE - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges": (DOI: [10.4231/D3SF2MC0W](#))
- Amit Varma, Youngmoo Sohn, (2013), "DAMAGED GIRDER - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges": (DOI: [10.4231/D3X63B541](#))
- Amit Varma, Youngmoo Sohn, (2013), "FORCE SYSTEM 1 - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges": (DOI: [10.4231/D3NS0KX8Z](#))
- Amit Varma, Youngmoo Sohn, (2013), "FORCE SYSTEM 2 - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges": (DOI: [10.4231/D3J09W45G](#))
- Amit Varma, Youngmoo Sohn, (2013), "FORCE SYSTEM 3 - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges": (DOI: [10.4231/D30Z70W9F](#))
- Amit Varma, Youngmoo Sohn, (2013), "N-1 Span Damage - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges": (DOI: [10.4231/D3W66984S](#))
- Amit Varma, Youngmoo Sohn, (2013), "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": (DOI: [10.4231/D38G8FH7Z](#))
- Amit Varma, Youngmoo Sohn, (2013), "S-1 Span Damage - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges": (DOI: [10.4231/D3RJ48V2G](#))
- Amit Varma, Youngmoo Sohn, (2013), "S-2 Span Damage - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges": (DOI: [10.4231/D34Q7QQ3T](#))
- Amit Varma, Youngmoo Sohn, (2013), "TEMPERATURE - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges": (DOI: [10.4231/D3D795B1Q](#))

LINKING DATA

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Supplementary videos for SPR-3105:

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S-1 Span Damage - Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Beam Bridges

By Amit H. Varma¹, Youngmoo Sohn¹

Purdue University

Supplementary Materials for the Report: Effects of Realistic Heat Straightening Repair on the Properties and Serviceability of Damaged Steel Bridges

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

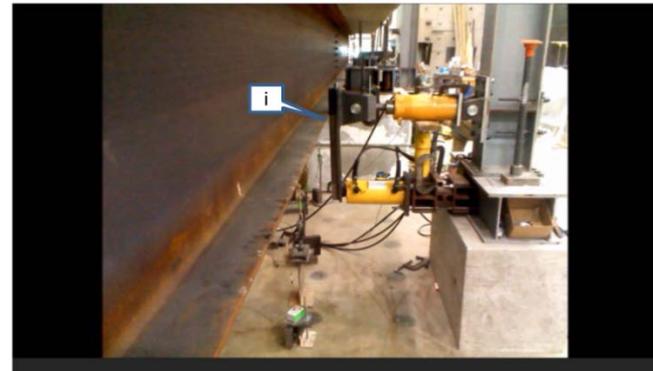


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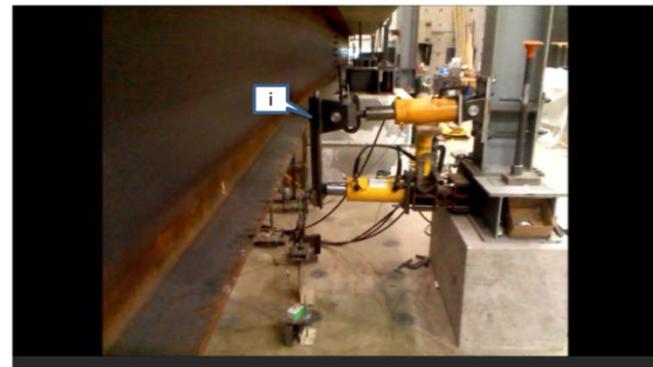
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Abstract

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MOVING FORWARD

BEST PRACTICES

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 - Ease citation management
 - Increase impact
- Traditional publication attributes
 - Increase visibility and discoverability
 - Meet funder requirements
 - Measure and assess impact
- Usage and access metrics
 - Monitor and evaluate through quantitative and qualitative measurements
 - Communicate impact



Best
Practices

QUESTION AND COMMENTS

Thank You

This work was supported in part by the Joint Transportation Research Program administered by the Indiana Department of Transportation and Purdue University. The contents of this paper reflect the views of the authors, who are responsible for the facts and the accuracy of the data presented herein, and do not necessarily reflect the official views or policies of the sponsoring organizations. These contents do not constitute a standard, specification, or regulation.

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RESOURCES

- Executive Office of the President, Office of Science and Technology Policy. Memorandum – Increasing Access to the Results of Federally Funded Scientific Research.
http://www.whitehouse.gov/sites/default/files/microsites/ostp/ostp_public_access_memo_2013.pdf
- Joint Transportation Research Program. <https://engineering.purdue.edu/JTRP>
- National Institutes of Health. Final NIH Statement on Sharing Research Data.
<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-03-032.html>
- National Institutes of Health. NIH Public Access Policy. <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-08-033.html>
- National Science Foundation. Grant Proposal Guide.
http://www.nsf.gov/pubs/policydocs/pappguide/nsf13001/gpg_2.jsp#dmp
- Newton, M.P., D.M. Bullock, C. Watkinson, P.J. Bracke, and D. Horton. “Engaging New Partners in Transportation Research: Integrating Publishing, Archiving, Indexing of Technical Literature into the Research Process,” Transportation Research Record: Journal of the Transportation Research Board, No. 2291, Transportation Research Board of the National Academies, Washington, D. C., pp. 111-123, 2012.
[doi: 10.3141/2291-13](https://doi.org/10.3141/2291-13).
- Purdue e-Pubs. <http://docs.lib.purdue.edu/>
- Purdue University Research Repository (PURR). <https://purr.purdue.edu/>
- Zilinski, L. D., Scherer, D.A., Bullock, D.M, Horton, D.K. and Matthews, C.E., “Evolution of Data Creation, Management, Publication, and Curation in the Research Process,” Accepted, Transportation Research Board Annual Meeting, January 13, 2014, Paper No. 14-0664.