

November 8, 2018



**Literature Searches and Literature Reviews for Transportation
and Other Tools for Impacting Research**

Rachel Cole and Roberto Sarmiento

<http://ntl.bts.gov/networking/roundtable.html>

Audio call-in number: 877-336-1274; Access code: 5759713

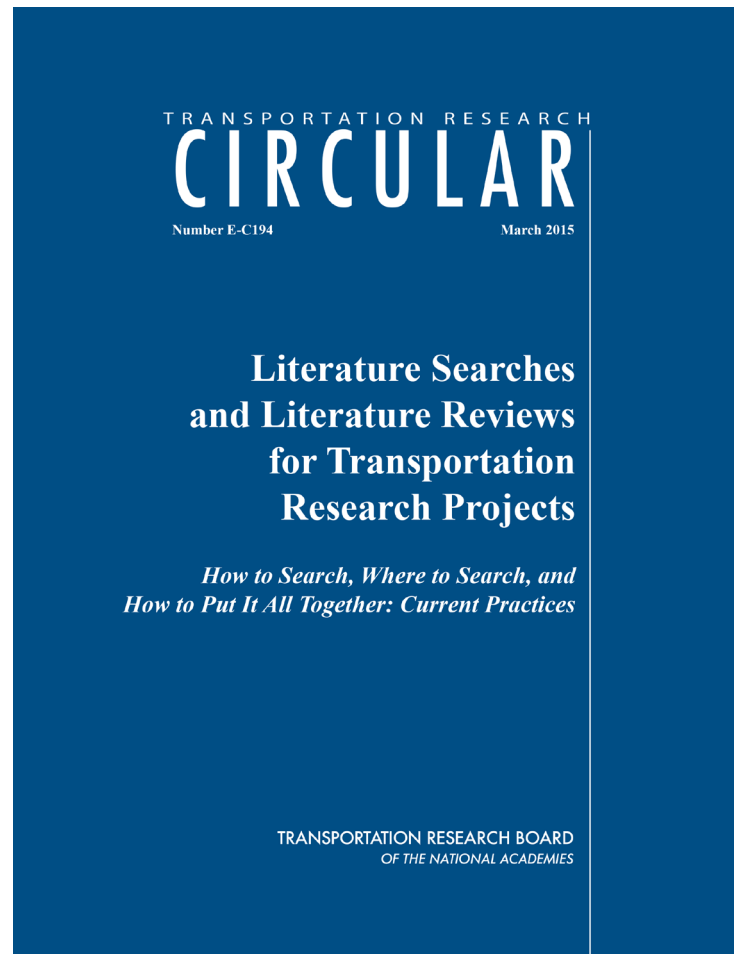
Literature Searches and Literature Reviews for Transportation and Other Tools for Impacting Research

Rachel Cole and Roberto Sarmiento
Northwestern University Transportation Library

Northwestern

History

Transportation Research Circular Number E-C194



Contributors

TRANSPORTATION RESEARCH CIRCULAR E-C194

Literature Searches and Literature Reviews for Transportation Research Projects

*How to Search, Where to Search,
and How to Put It All Together:
Current Practices*

Prepared by

Andrea Avni, Paul Burley, Patrick Casey,
John Cherney, Leighton Christiansen, Janet Saunders Daly, Rita Evans,
David Jared, Greg Landgraf, Andrew Meier, Jane Minotti, Barbara Post,
Birgitta Sandstedt, Roberto Sarmiento, Susan Sillick, Bob Sweet,
Michael Wendt, Ken Winter, and Hong Yu

For the

Conduct of Research Committee
Library and Information Science for Transportation Committee
Transportation Research Board

March 2015

Transportation Research Board
500 Fifth Street, NW
Washington, DC 20001
www.TRB.org

LibGuide

Benefits of creating a course LibGuide

The screenshot shows a Northwestern University LibGuide page. The header is purple with the Northwestern logo and navigation links: HOURS, ASK US, YOUR ACCOUNT, SUPPORT US, and INFORMATION FOR. Below the header is a dark purple bar with the word 'LIBRARIES' and a navigation menu with options: Find, Borrow, Request; Research; Visit; Libraries and Collections; and About. The main content area is white and features a search bar and a search button. The title of the guide is 'Literature Searches and Literature Reviews for Transportation Research Projects: Getting Started'. Below the title is a search bar with the text 'Search this Guide' and a search button. The page is based on Transportation Research Circular Number E-C194, March 2015. There are several tabs for navigation: Getting Started (selected), Where to Search, Examples of Effective Transportation Literature Reviews, Tutorials on Writing Literature Reviews, Examples of an Annotated Bibliography, Zotero, Data and Data Management Guides, and All Transportation Research Guides. The main content area is titled 'Transportation Research Circular Number E-C194' and features a blue cover image of the circular. To the right of the cover is a text block describing the guide and listing the authors. Below the cover is a section titled 'Six Steps of a Literature Search' with a progress bar showing steps 1 through 6. To the right of the main content is a 'Your Librarian' section featuring a photo of Rachel Cole, her name, and buttons for 'Email Me' and 'Schedule Appointment'. At the bottom right of the page is contact information for Northwestern University Transportation Library.

- Inclusion of local resources, contact information, etc.
- Local tracking: show value on campus
- Give students an easy resource to refer back to

Literature Searches and Literature Reviews for Transportation Research Projects: Where to Search


Based on Transportation Research Circular Number E-C194, March 2015. "Literature Searches and Literature Reviews for Transportation Research Projects: How to Search, Where to Search, and How to Put It All Together: Current Practices."

- [Getting Started](#)
- [Where to Search](#)**
- [Examples of Effective Transportation Literature Reviews](#)
- [Tutorials on Writing Literature Reviews](#)
- [Examples of an Annotated Bibliography](#)
- [Zotero](#)
- [Data and Data Management Guides](#)
- [All Transportation Research Guides](#)

Where to Search

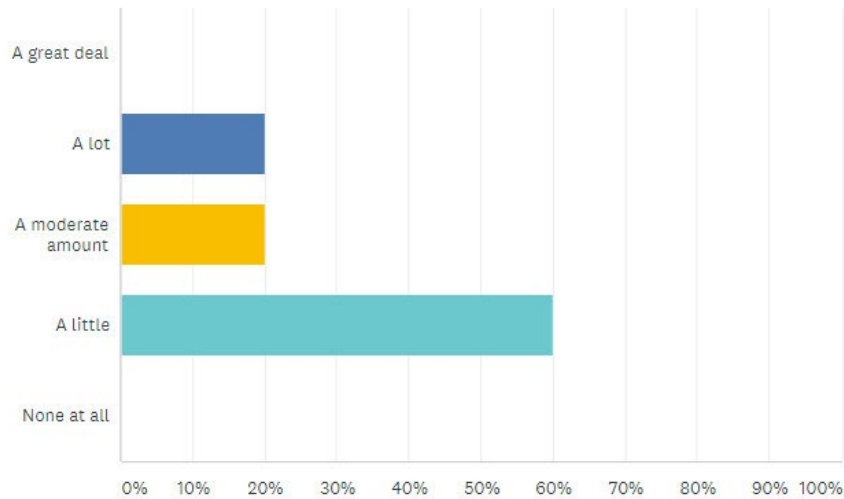
- [Databases](#)
- [Data and Statistics](#)
- [Directories](#)
- [Websites](#)
- [Research Databases](#)
- [Subject Index](#)
- [Mode Index](#)
- [Finding Seminal Works](#)

Excerpted from Evans, Minotti, Post. & Sweet, "Literature Resources: Where to Search." in *Literature Searches and Literature Reviews for Transportation Research Projects: How to Search, Where to Search, and How to Put It All Together: Current Practices*.

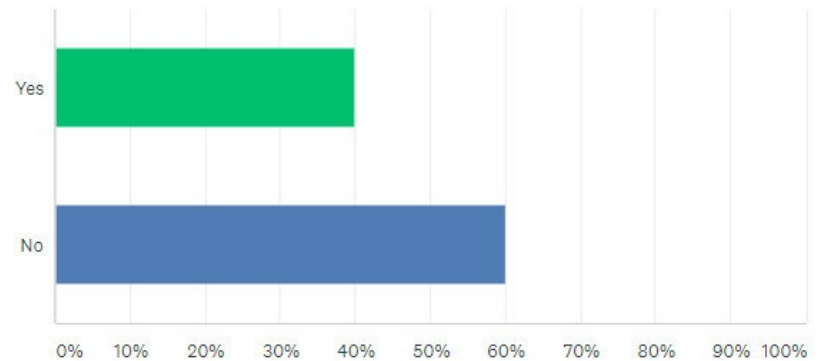
- [ABI/INFORM Global](#)
Business research. Full-text journals, business press and trade publications. Subjects: businesses, commodities, freight service, industries, markets.
- [Academic Search Complete](#)
Multidisciplinary. Indexes 11,000 peer-reviewed journals and trade publications. Subjects: aviation, planning, transportation.
- [ASCE Civil Engineering Database](#)
Civil engineering. Indexes and provides full-text access to all 33 ASCE journals (1983 to present), conference proceedings (2000 to present), standards, and e-books. Includes topical special collections. Subjects: bridges, construction, environment, harbors, highway engineering, materials, pavements, pipelines, transportation, tunnels.
- [Engineering Village](#)
All engineering disciplines. Indexes more than 5,000 journals as well as conference papers and technical reports; includes millions of bibliographic citations and abstracts. Subjects: bridges, construction, environment, highway engineering, traffic engineering, transportation.
- [ERIC](#)
Primarily education. Indexes books, journals, reports, proceedings, statistical data, tests, and dissertations. Subjects: school buses; school children; pedestrians; bicycling; cyclists, school safety.
- [FRA E-Library](#)
Provides access to accident, safety, litigation and compliance reports; technical and environmental reports; conference papers; press releases; and policy and guidance documents. Subjects: rail transportation. railroads. freight and passenger service. railroad safety, regulation.
- [Google Scholar](#) 
Multidisciplinary. Retrieves articles, theses, books, and abstracts from academic publishers, professional societies, online repositories, universities, and other websites. Some records include links to related articles and to other sources that cite the item. Subjects: energy, environment, planning, safety, transportation.
- [IFFF/IFF Electronic Library](#)

Pre-Class Survey

How well prepared do you feel to work on a literature review paper?



Do you have experience working on literature reviews for past projects?



Common Questions

- “How can I know when a work is a “seminal work?”
- “Do I have to pay for these resources?”
- “How do I manage my citations?”
- “Do all databases provide the same information?”

Sections Added

Locating Seminal Works

Literature Searches and Literature Reviews for Transportation Research Projects: Where to Search

Based on Transportation Research Circular Number E-C194, March 2015. "Literature Searches and Literature Reviews for Transportation Research Projects: How to Search, Where to Search, and How to Put It All Together: Current Practices."

- Getting Started
- Where to Search**
- Examples of Effective Transportation Literature Reviews
- Tutorials on Writing Literature Reviews
- Examples of an Annotated Bibliography
- Zotero
- Data and Data Management Guides
- All Transportation Research Guides

Where to Search

Databases | Data and Statistics | Directories | Websites | Research Databases | Subject Index | Mode Index | **Finding Seminal Works**

Seminal works are key works in a field: articles, books, or other texts that introduce new knowledge in a particular field. You'll see them cited over and over again as you go about your literature review.

Northcentral University has compiled a [guide to finding seminal works](#), together with a [workshop on finding seminal research](#) that can be viewed online.

Two additional key resources are [Scopus](#) and [Web of Science](#), two interdisciplinary databases that allow for sorting of results by the number of citations of a particular article.

Scopus

Scopus is the largest abstract and citation database, including peer-reviewed titles from international publishers, Open Access journals, conference proceedings, trade publications, quality web sources. Subject coverage : Chemistry, Physics, Mathematics and Engineering ; Life and Health Sciences ; Social Sciences, Psychology and Economics ; Biological, Agricultural and Environmental Sciences.

Once you perform your search, you will see a drop-down menu at the right of the screen that allows for sorting by a number of different options, including "cited by." Selecting this option will rank your results in order of the number of times each has been cited.

Scopus Search Sources Alerts Lists Help SciVal Register Login

8,117 document results

TITLE: HIGH-SPEED (AND rail)

Search within results...

Refine results: Limit to Exclude

Access type: Open Access (481) Other (7,636)

Year: 2019 (9)

Analyze search results: Show all abstracts Sort on: Cited by (highest)

Document title	Authors	Year	Source	Cited by
1 High-speed railway lines on soft ground: dynamic behaviour at critical train speed	Madhusai, C., Kaynia, A.M.	2009	Journal of Sound and Vibration 231(3), pp. 689-701	235
2 Railway Noise and Vibration (Book)	Thompson, D.	2009	Railway Noise and Vibration	234

Transportation Guides at NUL

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Transportation

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Air Transportation	Oct 11, 2018	261
Analyzing Text	Jun 7, 2018	1776
Autonomous and Connected Vehicles	Oct 23, 2018	231
Bicycling	Sep 14, 2018	1117
Chicago Area Transportation	Oct 11, 2018	160
Electric and Alternative Fuel Vehicles	Oct 11, 2018	87
ENTREP_450: NUvention: Transportation (Werwath)	Oct 11, 2018	219
Environmental Impact Statements	Sep 11, 2018	642
General Transportation	Oct 12, 2018	150
GIS for Transportation	Oct 2, 2018	87

Search

Search the full text of this site. Results will link to pages containing your terms; results from subject page searches are automatically filtered by that subject.

Experts

Your Librarian



Rachel Cole

[Email Me](#)

Citation Management Resources

The screenshot shows the Northwestern Libraries website. At the top, the Northwestern logo is on the left, and navigation links for HOURS, ASK US, YOUR ACCOUNT, SUPPORT US, and INFORMATION FOR are on the right. Below the logo is the word "LIBRARIES". A secondary navigation bar contains "Find, Borrow, Request", "Research", "Visit", "Libraries and Collections", and "About". The main content area is titled "Zotero Support: What is Zotero?". It features a search bar and a series of tabs: "What is Zotero?", "Adding citations", "Archiving a web page", "Taking notes with Zotero", "Using Zotero with Word Processing Programs", "Reports", "Open URL", "Working with pdf files", "Syncing Zotero", "Backing up Zotero", "Running out of storage", "Using Zotero with Google Docs", and "Workshops". The "What is Zotero?" tab is active, displaying a description of Zotero as a free bibliographic manager and a list of its features. Below this is a "NOTE TO ZOTERO USERS" section with a link to a blog post about Zotero 5.0. At the bottom, there is a "Zotero Support" section with the Zotero logo and contact information for the library's support services.

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Zotero Support: What is Zotero?

Search this Guide Search

What is Zotero? Adding citations Archiving a web page Taking notes with Zotero Using Zotero with Word Processing Programs Reports

Open URL Working with pdf files Syncing Zotero Backing up Zotero Running out of storage Using Zotero with Google Docs Workshops

What is Zotero?

Zotero is a free bibliographic manager that is available as an online interface or downloadable *standalone* version. Extensions for Chrome and Firefox allow you to easily save citations you find online. Note that the Safari extension is no longer supported with Safari Version 12. With Zotero you can:

- Store references in one place
- Keep reading notes linked to sources
- Download citations directly from databases
- Automatically format bibliographies and citations in MLA, APA, Chicago Manual of Style, and many other styles using Microsoft Word and Open Office
- Share your collections with collaborators
- Access your Zotero library from any location and remotely back up and sync your library

For assistance with Zotero, please contact the library's Zotero Support

NOTE TO ZOTERO USERS

- Zotero 5.0 available
Zotero users should read the blog post on the release of Zotero 5.0 and changes to the program. The biggest change is the move from Zotero as a Firefox extension to a standalone application.

Zotero Support

zotero
Email Zotero Support
Scholarly Research Services at the Libraries

Data and Data Management

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Data and Data Management

Browse our best resources, organized by subject

79 SUBJECTS Data and Data Management Go

Guides Databases Blog Posts

Showing 13 Guides

Data Science (SPS) ⓘ	📅 Oct 20, 2018	👁 3387
Social Science Data Resources ⓘ	📅 Nov 5, 2018	👁 2780
Software for Data Analysis ⓘ	📅 Oct 16, 2018	👁 5305
U. S. Census Research Guide ⓘ	📅 Oct 2, 2018	👁 752
Analyzing Text ⓘ	📅 Jun 7, 2018	👁 1776
Data Management ⓘ	📅 Oct 19, 2018	👁 3837
GIS Day & Geography Week ⓘ	📅 Oct 17, 2018	👁 173
GIS: Geographic Information Systems ⓘ	📅 Oct 8, 2018	👁 8119
Make a Map!: GIS Lite & Quick Map Tools ⓘ	📅 Sep 27, 2018	👁 18024
Map & Atlas Collections ⓘ	📅 Oct 24, 2018	👁 2129
Map & Large Format Document Scanning ⓘ	📅 Oct 2, 2018	👁 553
PREDICT_420-DL: Database Systems and Data Preparation ⓘ	📅 Oct 11, 2018	👁 186
STAT_301-1: Data Science (Kuyper) ⓘ	📅 Oct 29, 2018	👁 247


Search

Search the full text of this site. Results will link to pages containing your terms; results from subject page searches are automatically filtered by that subject.


Enter keywords in a guide

Search


Experts




Ann Aler




Cunera Buys



Sue Oldenburg

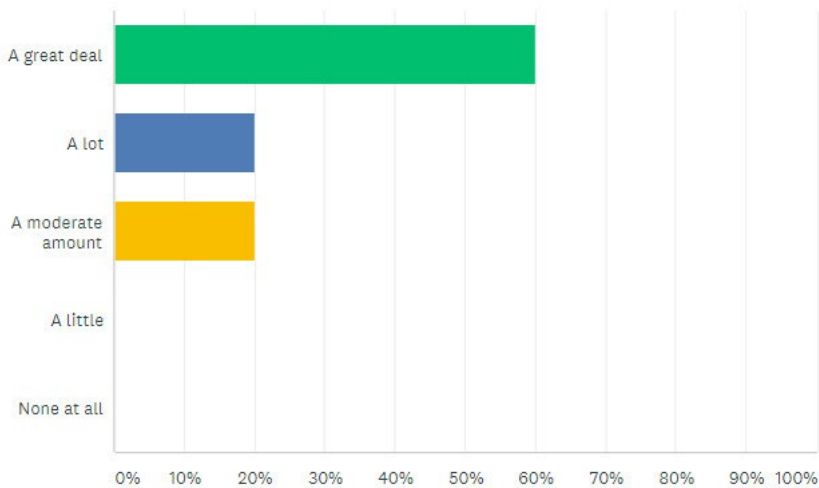


Kelsey Rydland

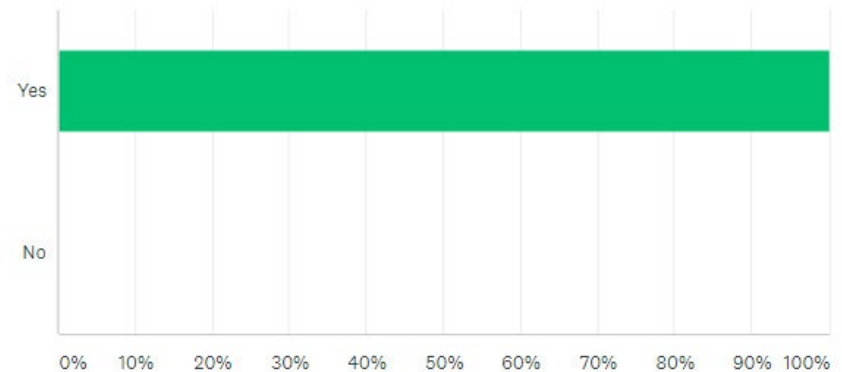


After-Class Survey

How prepared do you feel to access resources for your paper?



Do you plan to refer back to the guide while working on your paper?



Analytics

Guide Tracking - Total Views



1 guides, 592 views, 310 days

Export All Records

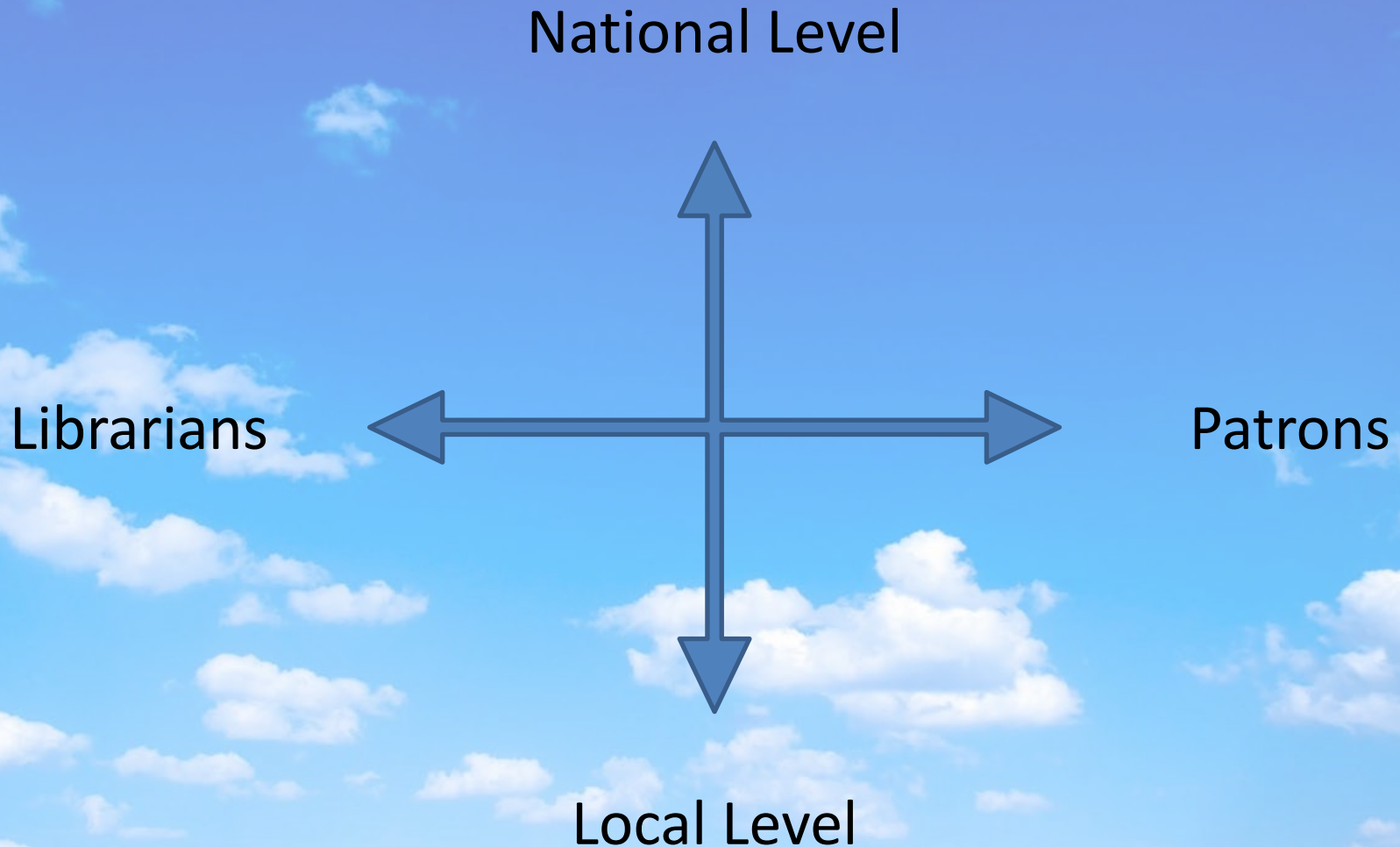
Guide ID	Guide Name	Views
749215	Literature Searches and Literature Reviews for Transportation Research Projects	592

Show 10 entries

First Previous 1 Next Last

Discussion

Thoughts: Other useful resources?



Contact Us

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Transportation Library

<https://www.library.northwestern.edu/transportation>

Connect with us on social media

Twitter: [@NUL_Transport](https://twitter.com/NUL_Transport)

Instagram: [transportationlibrary](https://www.instagram.com/transportationlibrary)

Thank you for attending!

Join us November 15:



Tribal Libraries and Transportation Resources

George Franchois, U.S. Department of the Interior Library

For Past Episodes, Visit the TLR Archive at:

<https://ntl.bts.gov/networking/tlrarchive/index.html>