



Caltrans Division of Research,
Innovation and System Information

Research

Notes

Planning, Policy,
and
Programming

FEBRUARY 2023

Project Title:
Transportation Library Connectivity

Task Number: 3894

Start Date: April 27, 2020

Completion Date: February 28, 2025

Task Manager:
Frank Law
Project Manager
frank.law@dot.ca.gov



DRISI provides solutions and
knowledge that improves
California's transportation system

Transportation Library Connectivity, TPF-5(442)

A forum for public agencies to identify and address the key issues and challenges in National Transportation Knowledge Network (NTKN) and identify gaps in coverage.

WHAT IS THE NEED?

Traditionally, a small group of libraries were responsible for providing information services within the transportation community. They played an important part in connecting organization staff with the resources they need to perform their jobs more efficiently; resources that included library catalogs, training materials, information services, expert connections within the organizations, American Association of State Highway and Transportation Officials (ASSHTO) ePub gatekeeping, and other activities, thereby increasing job satisfaction and assisting in workforce retention.

Yet, the transportation research community faces increasing challenges. Many state Department of Transportations (DOTs) are experiencing a knowledge retention crisis as more employees either leave the workforce and are not replaced or are lured into the private sector. Knowledge management strategies, often researched and employed by librarians, are increasingly becoming vital for the smooth functioning of organizations.

Additionally, several state DOTs have shut down their libraries in the past several years, and many organizations rely on non-librarian knowledge resource managers to fill this role, if this role is filled at all. This has led to a lack of standardization among knowledge resource professionals.

WHAT ARE WE DOING?

The research team will work with the National Transportation Knowledge Network (NTKN) to gauge effectiveness of current libguides and identify gaps in coverage. Additionally, they will work with the National Transportation Library (NTL) to further the goal of cooperative digitization, assisting members in carrying out best practices when digitizing materials, and assisting with

American Disability Act (ADA) compliance issues as needed. Lastly, the researchers will hold an annual meeting in conjunction with the AASHTO-RAC conference to discuss implementation of the study's goals and facilitate communication between member organizations.

WHAT IS OUR GOAL?

The goal of this study is to support coordinated development of transportation libraries as well as research organizations without dedicated libraries, the following objectives will be undertaken. These objectives will be accomplished through member activities and partnerships with professional groups such as the Transportation Research Board (TRB) Library and Information Science for Transportation Committee (LIST), the Special Libraries Association (SLA) Transportation Division, and NTKN.

Completed projects will be stored permanently at the NTKN and the NTL for public use and will be completed within the three-year span of the pooled fund study.

1. Develop a toolkit of recommendations and best practices for transportation research organizations that do not have a transportation librarian.
2. Partner with the NTKN to analyze effectiveness of libguides, identify gaps in coverage, and survey the needs of DOTs.
3. Develop a white paper analyzing the current condition of transportation information infrastructure, including review of pertinent knowledge management resources.
4. Develop a cooperative digitization project among members, in partnership with the NTL, to convert copies of older materials to digital formats, as well as providing ADA compliance support for digital documents.
5. Enhance communication between group members (hold annual pooled fund meeting in conjunction with the AASHTO-RAC conference).

WHAT IS THE BENEFIT?

With the number of transportation librarians shrinking nationwide and the number of complex issues facing transportation researchers only increasing, several solutions will be developed in the proposed study to remedy the aforementioned problems. To increase professionalism and standardization among non-library information managers, a toolkit will be developed that will offer guidance on best practices and be scalable to the research organization's size and abilities.

Separately, a white paper on the changing nature of transportation libraries in the 21st century will be produced. This document will provide a roadmap for transportation organizations to follow with respect to current conditions of transportation information infrastructure. It will identify recurring problems, recommend solutions, and help organizations adapt to the rapid change that is occurring across the research landscape.

WHAT IS THE PROGRESS TO DATE?

Michael continued to work with pooled fund members on their digitization requests. Michael worked with CTC to set up Section 508 remediation of South Dakota DOT reports.

Michael provided input to CTC & Associates regarding a poster presentation on the white paper/synthesis project for the TRB 2023 Annual Meeting.

Michael worked with CTC and pooled fund working group members to review and approve the latest resource guides created by CTC. Michael hosted the fall update meeting for pooled fund members. Members discussed the future of the pooled fund, as well as future objectives they would like to pursue.

Michael developed and sent out a survey to pooled fund members regarding future objectives of the pooled fund study.

Michael worked with CTC to develop a presentation on the white paper/synthesis project on current practices and future directions of libraries and information centers to be delivered at the Transportation Librarian's Roundtable in January 2023.

Throughout this period Michael answered emails and maintained correspondence with pooled fund members over various topics and questions they had.

Plan For Next Quarter:
Conduct regular meetings between CTC and working groups to review progress on objectives.

Work with pooled fund members on the digitization objective.

Schedule meetings with pooled fund members to review progress and answer any questions they may have.