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Engineering
Medicine*

TRB TRANSPORTATION RESEARCH BOARD

Maximizing the Power of the Research in Progress (RIP) Database

Janet Daly

Transportation Research Board





Research in Progress

Today you will learn:

- What the Research in Progress database is
- How to search the RIP database to find projects from any organization
- How to enter (and update) projects from your organization



Research in Progress

Search by keyword...



[... or add additional filters](#)

RIP The Transportation Research Board's Research in Progress (RIP) Database contains information on more than 12,000 current or recently completed transportation research projects. RIP records primarily are projects funded by the U.S. Department of Transportation and State Departments of Transportation. University transportation research also is included in the database.

[Authorized Users Login](#)

Recent Records by Mode

[All Modes](#)

[Aviation](#)

[Highway](#)

[Marine Transportation](#)

[Motor Carriers](#)

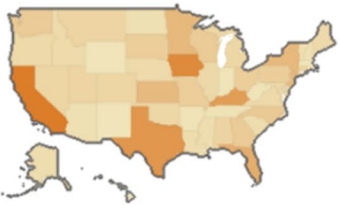
[Pedestrians and Bicyclists](#)

[Pipelines](#)

[Public Transportation](#)

[Railroads](#)

Records by Location



Find projects sponsored or performed by state DOTs



Find projects sponsored or performed by University Transportation Centers

<https://rip.trb.org>

What is the Research in Progress (RIP) Database?

- ✓ Current and recently completed projects

Why Use It?

- ✓ Promote research efforts
- ✓ Prevent duplication of effort
- ✓ Connect researchers
- ✓ Identify experts for panels or committees

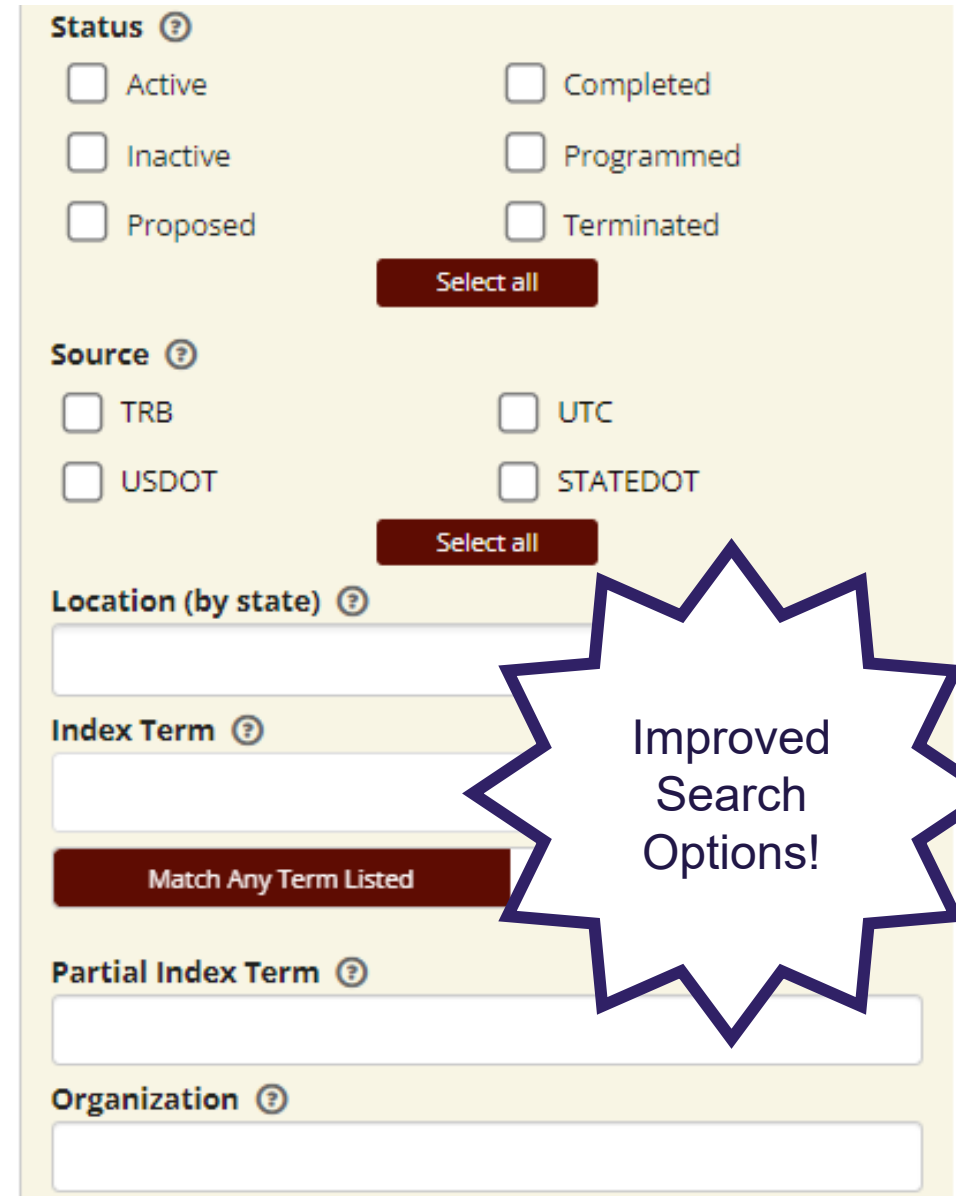
TRID vs. RIP

	TRID	RIP
Type of records	Reports, papers & datasets	Projects
Record creator	Professional TRB indexers	Primarily DOT or UTC staff
Record permanence	Record is permanent	Record updated as project progresses; Deleted when project is completed and final report is in TRID
Number of records	1.4 million+	~10,000
Website	https://trid.trb.org	https://rip.trb.org
Contact information for individuals	Not made public	Publicly available

Many Ways to Find Records!

- ✓ Simple keyword
- ✓ Agency or location maps
- ✓ Mode or topic options
- ✓ Advanced search options for complex or targeted searches
- ✓ Subscribe to monthly customized report
- ✓ Projects also searchable in TRID

Demo: <https://rip.trb.org>



The screenshot displays a search interface with the following sections:

- Status** (with a help icon): Includes checkboxes for Active, Inactive, Proposed, Completed, Programmed, and Terminated. A "Select all" button is located below these options.
- Source** (with a help icon): Includes checkboxes for TRB, USDOT, UTC, and STATEDOT. A "Select all" button is located below these options.
- Location (by state)** (with a help icon): A text input field.
- Index Term** (with a help icon): A text input field with a "Match Any Term Listed" button below it.
- Partial Index Term** (with a help icon): A text input field.
- Organization** (with a help icon): A text input field.

A starburst callout with a blue outline and white background is overlaid on the right side of the form, containing the text "Improved Search Options!".

Adding Project Records to RIP

- Federally-funded projects--including USDOT UTC grant recipients--MUST be added to RIP
- All transportation research projects MAY be added to RIP, regardless of source
- Entering or updating projects in RIP requires an account

No Account Needed
for Searching &
Viewing Records!



Login Requirements to Enter Projects

Request new accounts through <https://rip.trb.org/loginrequest> or by emailing tris-trb@nas.edu.

Each user receives individual account

- Email address is UserID
- Each account must have a unique email address

Source Agency:

- “Owner” of the record
- Automatically entered based on login
- Users from the same center can update/delete each other’s projects
- UTC and StateDOT working together? The StateDOT is the source agency if they both enter the same project

2022 USDOT UTC Grant Recipients

New center at new lead university?

- Request a new RIP account

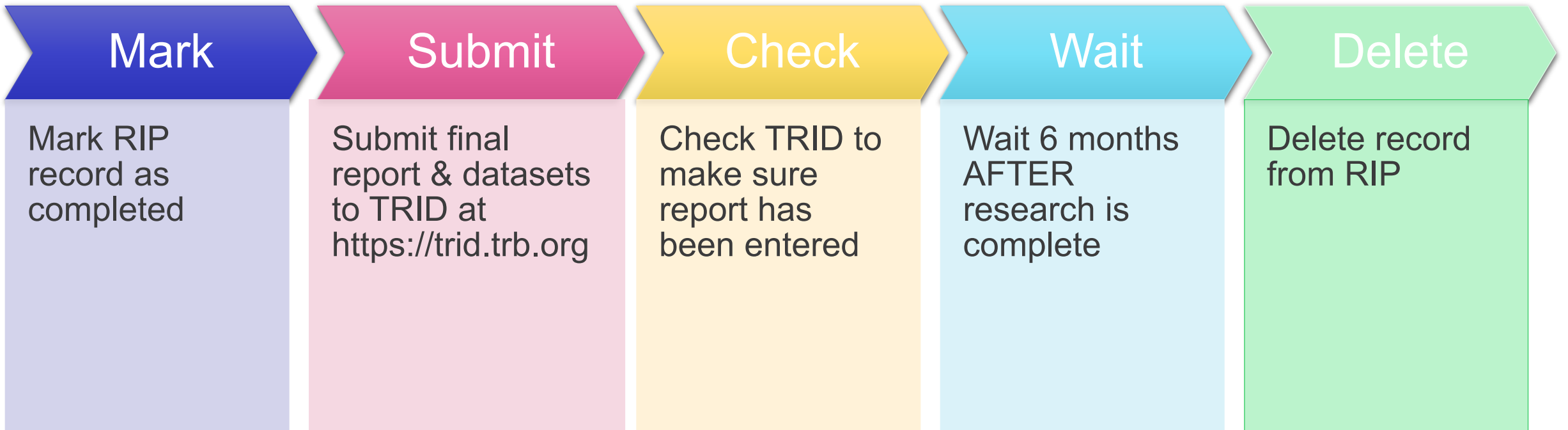
New center (new name) at existing lead university?

- Close out existing RIP account
- Request a new RIP account

Existing center (same name) at existing lead university?

- Continue using existing account

Closing Out a Project



Closing Out Your USDOT UTC Program

Close out projects

Doublecheck:

- TRID to make sure all reports are present & have a permanent URL in the record
- RIP to make sure that all project records have been deleted

Contact tris-trb@nas.edu to close UTC user accounts



Research in Progress

Questions? Suggestions?

TRB

Transportation Research Information Services

(TRIS)

tris-trb@nas.edu

RIP Database Demonstration

The following slides are screenshots of the information covered in the live demonstration portions of the webinar.



Research in Progress



[... or add additional filters](#)

RIP The Transportation Research Board's Research in Progress (RIP) Database contains information on more than 14,000 current or recently completed transportation research projects. RIP records primarily are projects funded by the U.S. Department of Transportation and State Departments of Transportation. University transportation research also is included in the database.

[Authorized Users Login](#)

Recent Records by Mode

[All Modes](#)

[Aviation](#)

[Highway](#)

[Marine Transportation](#)

[Motor Carriers](#)

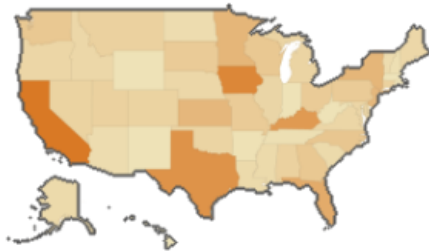
[Pedestrians and Bicyclists](#)

[Pipelines](#)

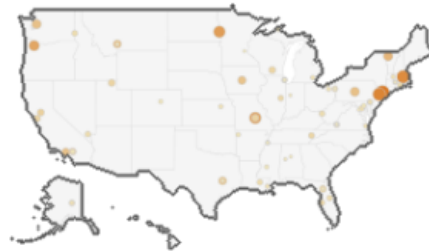
[Public Transportation](#)

[Railroads](#)

Records by Location



Find projects sponsored or performed by state DOTs



Find projects sponsored or performed by University Transportation Centers

Recent Records by Topic

Design & Construction

- [Bridges & Other Structures](#)
- [Construction](#)
- [Design](#)
- [Geotechnology](#)
- [Hydraulics & Hydrology](#)
- [Materials](#)
- [Pavements](#)

Policy & Organization

- [Administration & Management](#)
- [Data & Information Technology](#)
- [Education & Training](#)
- [Finance](#)
- [History](#)
- [Law](#)
- [Policy](#)

Subscribe

Stay informed of new research!

Receive a monthly email with new research projects in your area(s) of interest.

[Select topics & subscribe](#)

RIP Sample Record

Stormwater Runoff Monitoring and Analysis for Aviation Mode Facilities

Abstract. Airports in North Carolina are currently considered as industrial sites for stormwater permits by the North Carolina Department of Environmental Quality (NCDEQ). This can lead to costly expenses incurred by airports to meet federally-mandated, state-administered stormwater requirements. Preliminary data collected at Wilmington International Airport (ILM) suggest that the air side of airports may, in fact, behave much more similarly to a residential Low Impact Development (LID) than an industrial facility. This is due to the disconnection of impervious surfaces (namely, the runway and taxiway), where runoff flows over large swaths of turf (or other) grass. This project proposes to examine airports located in a non-sandy part of the state (tentatively: BUY, Burlington, and INT, Smith-Reynolds in Winston-Salem), to determine if (at least a portion of) the air side of airports can be exempt from stormwater industrial permits. The assessment will be based upon hydrology (volume and peak rates) and water quality (pollutant concentrations and loads) leaving different air side land uses (ramp, taxi way, vegetated treatment areas, e.g.). The results collected herein would be compared to LID projects monitored in the Piedmont of NC and would provide NCDOT the necessary information and data to argue for a potential re-classification of airports from a stormwater permit perspective. This would, in the end, provide potentially substantial financial relief to many aviation facilities across North Carolina.

Record Type: Project

Project

Contract Numbers: FHWA/NC/2019-04

Status: Active

Funding Amount: 161408

Sponsor Organizations:

North Carolina Department of Transportation
Research and Development
1549 Mail Service Center
Raleigh, NC 27699-1549 United States

Managing Organizations:

North Carolina Department of Transportation
Research and Development
1549 Mail Service Center
Raleigh, NC 27699-1549 United States

Project Managers:

Kirby, John
(919) 508-1816
jkirby@ncdot.gov

Performing Organizations:

North Carolina State University, Raleigh
College of Agriculture and Life Sciences
Department of Soil Sciences, Campus Box 7619
Raleigh, NC 27695-7619 United States

Principal Investigators:

Hunt, III, William F
bill_hunt@ncsu.edu

Notice Date: --

Start Date: 2018-08-01

Expected Completion Date: 2020-07-31

Actual Completion Date: --

Media Info

Subjects/Keywords

Subject Areas: Aviation; Environment; Hydraulics and Hydrology; Terminals and Facilities

Keywords: Airports; Hydrology; North Carolina; Permits; Runoff; Water quality management

Filing Info

Accession Number: 01677401

Source Agency: North Carolina Department of Transportation
Research and Development
1549 Mail Service Center
Raleigh, NC 27699-1549 United States

Files: RiP; STATEDOT

Created Date: 8/2/2018 2:47 PM

Search Form,1

Mark: Page · All · None 0 Marked Records | Print · Email · Save · Clear

Start a search.

Please begin your search by using the Keyword field above, or by entering terms in the fields to the right.

Questions or comments? Email tris-trb@nas.edu.

Keywords ?

Highlight search keywords ?

Title ?

Subject Areas ?

Contract or Grant Numbers ?

Status ?

<input type="checkbox"/> Active	<input type="checkbox"/> Completed
<input type="checkbox"/> Inactive	<input type="checkbox"/> Programmed
<input type="checkbox"/> Proposed	<input type="checkbox"/> Terminated

Source ?

<input type="checkbox"/> TRB	<input type="checkbox"/> UTC
<input type="checkbox"/> USDOT	<input type="checkbox"/> STATEDOT

Location (by state) ?

Search Form, 2

Index Term [?](#)

Partial Index Term [?](#)

Organization [?](#)

Person [?](#)

Date Range [?](#)

Date Range Type

Project Start Date
 Project End Date
 Record Created Date

Sort By [?](#)

Start Date
 End Date
 Created Date
 Title
 Status

Sort Order

Descending
 Ascending

Records Per Page [?](#)

Improved Online Help






Accordion Style!



Search Help


[General Help](#) [Search Fields](#)

General Help

- Basic Keyword Search 
- Advanced Search Tips 
- Modifying a Search 
- Search History 
- Viewing and Navigating Results 

RIP displays 25 records per page by default. Use the **Records Per Page** selections at the very bottom of the [Additional Search Filters](#) to decrease or increase the number of results displayed per page. Records can be displayed in increments of 10, 25, 50 or 100. After selecting the desired number of records, click the button to save the setting for your current session.

To navigate more than one page of results, use the arrow buttons at the top and bottom of each page of results. Key in a number to go to a particular page of results.

Showing 1 - 25 of 677 records of 28 pages 

Note that **Sort Order** can be changed to Descending or Ascending.

Records can also be sorted by:

- **Start Date** - Start Date is the date that a project starts.
- **End Date** - Date that the project was completed.
- **Created Date** - Date that a record was added to RIP.

My Records Page

LiveEdit HOME
My Records
My Profile
Data Entry Instructions
Import Projects

ADMINISTRATION
New User
Edit Users
Reviewer Dashboard

REPORTS
Expired Projects

SEARCH TRID

ABOUT TRID

RESOURCES
TRID Coverage
TRID Serials
Transportation Research Board
TRB Research in Progress
TRT - Transportation Research Thesaurus
International Transport Research Documentation (ITRD)
Literature Searches and Literature Reviews for Transportation Research Projects

CONTACT
Questions or comments?
E-Mail: tris-trb@nas.edu

Home > LiveEdit > **Index** Janet: Logout | My Profile | Change Password

Welcome to the Research in Progress (RiP) data entry system!

This system allows you to enter and update project records for your organization. A demonstration on how to use the new RiP data entry interface is available [here](#). After viewing the tutorial, please contact us as tris-trb@nas.edu if you have any questions.

LiveEdit Home




Enter a new research project.

Enter a new project

Entering publications has not yet been enabled in the system.




Enter a new publication

My unpublished records

Title	Created date	Actions
 PROJECT	2 months ago	 
All records loaded		

How can I edit other records from my organization?

My published records

Title	Created date	Actions
 TPM Capacity Building Pooled-fund Study and Conference Support	8 months ago	 
Load more records		

See all projects from your organization

See all publications from your organization

Data Entry, 1

To edit the record below, click on any highlighted field. Tab and Shift+Tab may be used to cycle between fields.
When you are finished editing the field, click Save. * denotes required fields.

Title *

Save

Cancel



Translated Title

Save

Cancel



Subject to Public Access
Plan compliance

Save

Cancel



Language

Save

Cancel



Record URL

Save

Cancel



Source Agency *

Transportation Research Board
500 Fifth Street, NW
Washington, DC 20001 United States

Source Data

Save

Cancel



Abstract *

Save

Cancel



Supplemental Notes

Save

Cancel



Data Entry, 2

TRIS Files	RiP
Contract/Grant Numbers	<input type="text" value="- select -"/>
	<input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>
Project Status	<input type="text" value="- select -"/>
	<input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>
Funding Amount	<input type="text"/>
	<input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>
Start Date *	<input type="text"/>
	<input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>
Expected Completion Date	<input type="text"/>
	<input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>
Actual Completion Date	<input type="text"/>
	<input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>
Sponsor Organizations *	<input type="text" value="- select -"/>
	<input type="button" value="Save"/> <input type="button" value="Add New"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>
Managing Organizations	<input type="text" value="- select -"/>
	<input type="button" value="Save"/> <input type="button" value="Add New"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>
Project Managers	<input type="text" value="- select -"/>
	<input type="button" value="Save"/> <input type="button" value="Add New"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>
Performing Organizations	<input type="text" value="- select -"/>
	<input type="button" value="Save"/> <input type="button" value="Add New"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>

Data Entry, 3

Managing Organizations	- select -
	Save Add New Cancel ?
Project Managers	- select -
	Save Add New Cancel ?
Performing Organizations	- select -
	Save Add New Cancel ?
Principal Investigators	- select -
	Save Add New Cancel ?
USDOT Program	- select -
	Save Add New Cancel ?
USDOT Sub-Program	- select -
	Save Cancel ?
Index Terms	- select -
	Save Cancel ?
Subject Areas *	- select -
	Save Cancel ?

[Save All / Publish](#) [Delete](#)

Bulk Import Tool

- Located on sidebar after you login
- Available for use by organizations with 25+ active projects
- Must conform project data to CSV output

RiP > LiveEdit > **Import** Janet_Daly: Log off | My Profile | Change Password

Bulk Project Import

This import tool allows for the bulk import of your organization's research projects. It is available for use by organizations that have 25 or more active projects and are capable of conforming their projects to CSV output using one of the templates below. If you have questions about the process, [e-mail TRIS-TRB](#).

Instructions

1. Ensure that the e-mail address and source organization below are correct before submitting a file for import. The e-mail address will be used to send an import processed notification when the import is complete. To change it, update your e-mail address on [your profile](#). The organization listed will be used as the source organization for each project submitted. If it is incorrect, [contact TRIS-TRB](#).

E-mail address Source Organization
2. Download one of the following two templates and populate it with your research projects. Note that both of the templates produce the same output; the Microsoft Excel template is simply formatted for easier readability. Do not modify any of the template column headings appearing in the first row, and do not add any data to columns labeled **TRB use only**.
 - [Microsoft Excel TRB Research Project Import Template v1.0 \(.xlsx\)](#)
 - [Plain CSV TRB Research Project Import Template v1.0 \(.csv\)](#)
3. Populate the template with your organization's research projects. You are responsible for the content in the records and should review it for accuracy prior to submission. The following fields are required and should be completed on each line:

For research subject to USDOT Public Access Plan requirements:

 - **Title**
 - **Subject to Public Access Plan compliance [enter Yes]**
 - **Abstract**
 - **Contract/Grant Number 1**
 - **Project Status**
 - **Funding Amount**
 - **Start Date [yyyymmdd format]**
 - **Expected Completion Date [yyyymmdd format]**
 - **Sponsor Organization 1**
 - **Managing Organization 1**
 - **Performing Organization 1**
 - **USDOT Program 1**

For other research:

 - **Title**
 - **Abstract**
 - **Start Date [yyyymmdd format]**
 - **Sponsor Organization 1**
4. After adding project data to the template, the file **must be saved in CSV format**. In Microsoft Excel, use the menus: **File -> Save As**. In the **Save as type** dropdown, choose **CSV (Comma delimited) (*.csv)**.
5. Submit the completed file below.

Import CSV file: No file chosen

Expired Projects Tool

- Located on sidebar after login
- Find projects that have passed their estimated completion date and are still in Active status
- Use to ensure your projects are up-to-date
- Can search by state
- Can sort by source agency

Home > LiveEdit > ExpiredProjects Janet: Logout | My Profile | Change Password

Reporting

This report lists projects in the RiP database in which the estimated or actual completion date has elapsed and the project is still in a status other than Completed. Reports can be re-sorted by clicking the column headers. To find a specific value within the report, use your browser's find functionality (Ctrl/Cmd + f) to search.

If your organization is the Source Agency for a project, you may update the project by clicking **View** beside the project title. Then, click on the **Created Date** label text at the bottom of the record view. This will open the record for editing.

Expired Projects

2855 rows

Filter by state: [Filter](#)

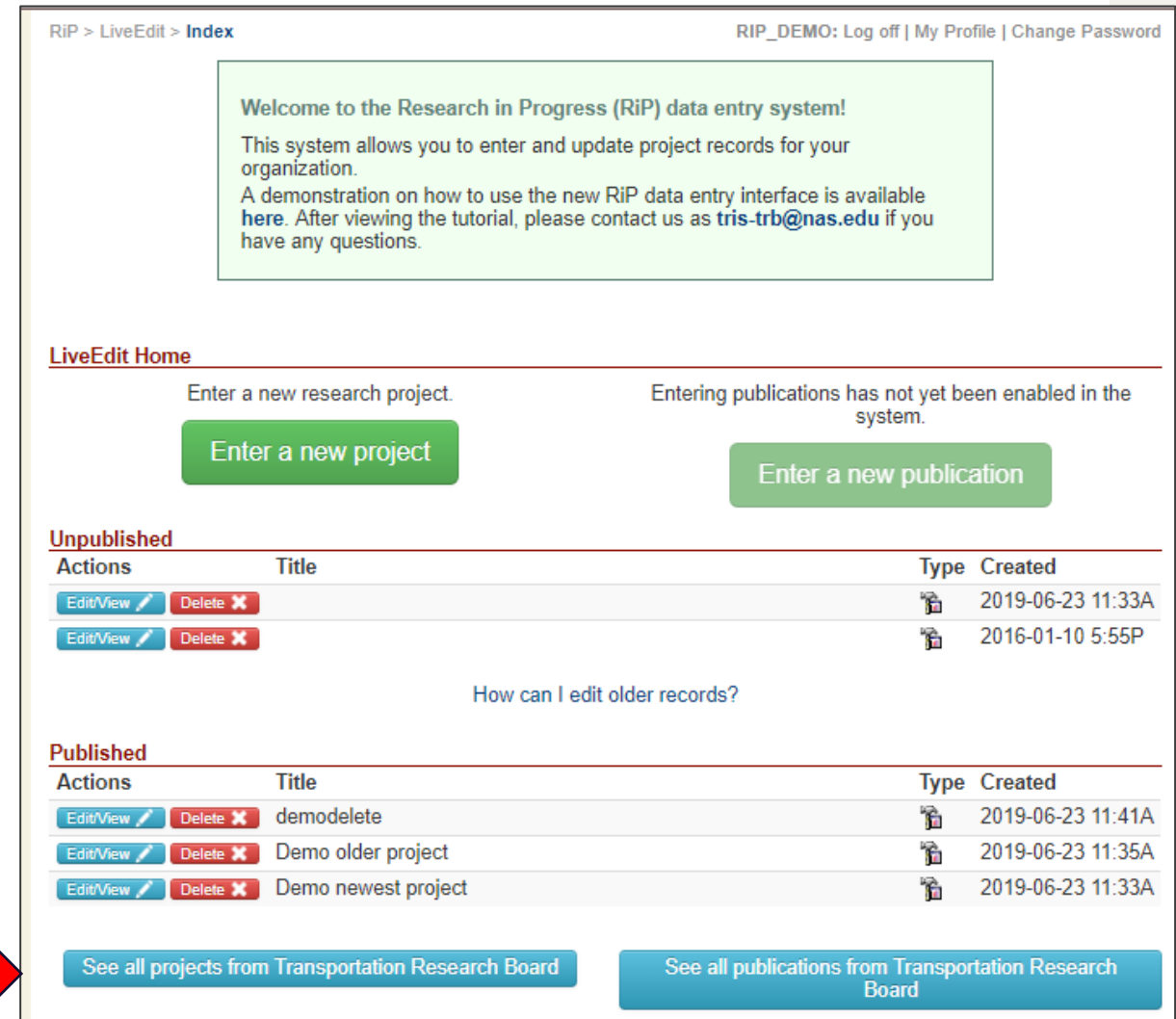
Link	Title	Status	Expected Completion	Source Agency
View	Guidebook for Virtual Airport Ramp Control Operations Facilities	Active	20220911	Transportation Research Board
View	Digital Trust for Places and Routines Learning Cohort	Active	20220911	District Department of Transportation
View	Implementation of a Framework for Balanced Mix Design	Active	20220909	Transportation Research Board
View	Building Smarter Cities via Intelligent Asset Management: South Carolina Case Study using IBM Maximo Application	Active	20220902	Center for Connected Multimodal Mobility

Deleting Older Projects

Only 25 most recent projects are on the “My Records” page

To find and edit older records:

1. Click “See All Publications” button
2. Click title of record
3. Click Edit button to open record for changes
4. Mouse over field and click to open for changes
5. Save field after making changes



RiP > LiveEdit > Index RIP_DEMO: Log off | My Profile | Change Password

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LiveEdit Home

Enter a new research project. Entering publications has not yet been enabled in the system.

[Enter a new project](#) [Enter a new publication](#)

Unpublished

Actions	Title	Type	Created
Edit/View Delete			2019-06-23 11:33A
Edit/View Delete			2016-01-10 5:55P


[How can I edit older records?](#)

Published

Actions	Title	Type	Created
Edit/View Delete	demodelete		2019-06-23 11:41A
Edit/View Delete	Demo older project		2019-06-23 11:35A
Edit/View Delete	Demo newest project		2019-06-23 11:33A

[See all projects from Transportation Research Board](#) [See all publications from Transportation Research Board](#)

Deleting Older Projects, 2

Search by keyword...  [Filters](#) [History](#) [RSS](#) [Share](#)

Mark: [Page](#) | [All](#) | [None](#) [0 Marked Records](#) | [Print](#) | [Email](#) | [Save](#) | [Clear](#)

Showing 1 - 25 of 3402 records 1 of 137 pages [»](#)

<input type="checkbox"/>	PROJECT: <u>Legal Problems Arising out of Highway Programs. Topic 25-07. Review of Statutory and Case Law on Planning and Environmental Linkages</u> Transportation Research Board, \$50000, 2020, Proposed	2020-02-10
<input type="checkbox"/>	PROJECT: <u>Developing Laboratory Methods and Specifications to Test Tack Coat Materials</u> Transportation Research Board, \$500000, 2020, Proposed	2020-02-01
<input type="checkbox"/>	PROJECT: <u>Legal Problems Arising out of Highway Programs. Topic 25-05. The Legal Issues Associated with Consequential Damages Provisions in Construction Contracts</u> Transportation Research Board, \$75000, 2020, Proposed	2020-01-20
<input type="checkbox"/>	PROJECT: <u>Legal Problems Arising out of Highway Programs. Topic 25-04. Laws Governing Homeless Encampments in Transportation Rights-of-Way</u> Transportation Research Board, \$50000, 2020, Proposed	2020-01-20
<input type="checkbox"/>	PROJECT: <u>Legal Problems Arising out of Highway Programs. Topic 25-03. Managing Enhanced Risk in the Mega Project Era</u> Transportation Research Board, \$150000, 2020, Proposed	2020-01-20
<input type="checkbox"/>	PROJECT: <u>Legal Problems Arising out of Highway Programs. Topic 25-06. Legal Aspects of Best-Value Procurement for Highway Construction (Update)</u> Transportation Research Board, \$100000, 2020, Proposed	2020-01-15
<input type="checkbox"/>	PROJECT: <u>Guide for Implementing Performance Specifications</u> Transportation Research Board, \$600000, 2020, Proposed	2020-01-15
<input type="checkbox"/>	PROJECT: <u>Legal Aspects of Transit and Intermodal Transportation Programs. Topic 19-05. Legal Issues Surrounding Disasters and Evacuations</u> Transportation Research Board, \$45000, 2020, Proposed	2020-01-10

Keywords ⓘ

Title ⓘ

Subject Areas ⓘ

- Administration and Management
- Aviation
- Bridges and other structures
- Construction

Match Any Subject Listed Match All Subjects Listed

Contract or Grant Numbers ⓘ

Status ⓘ [Select all](#)

Active Completed Programmed Terminated
 Proposed Inactive

Source ⓘ

Location (by state) ⓘ

Deleting Older Projects, 3

Mark: [Page](#) | [All](#) | [None](#)

[0 Marked Records](#) | [Print](#) | [Email](#) | [Save](#) | [Clear](#)

Showing 1 - 25 of 3402 records of 137 pages [»](#)

<input type="checkbox"/>	PROJECT: Legal Problems Arising out of Highway Programs. Topic 25-07. Review of Statutory and Case Law on Planning and Environmental Linkages Transportation Research Board, \$50000, 2020, Proposed	2020-02-10
<input type="checkbox"/>	PROJECT: Developing Laboratory Methods and Specifications to Test Tack Coat Materials Transportation Research Board, \$500000, 2020, Proposed	2020-02-01
<input type="checkbox"/>	PROJECT: Legal Problems Arising out of Highway Programs. Topic 25-05. The Legal Issues Associated with Consequential Damages Provisions in Construction Contracts Transportation Research Board, \$75000, 2020, Proposed	2020-01-20
<input type="checkbox"/>	PROJECT: Legal Problems Arising out of Highway Programs. Topic 25-04. Laws Governing Homeless Encampments in Transportation Rights-of-Way Transportation Research Board, \$50000, 2020, Proposed	2020-01-20
<input type="checkbox"/>	PROJECT: Legal Problems Arising out of Highway Programs. Topic 25-03. Managing Enhanced Risk in the Mega Project Era Transportation Research Board, \$150000, 2020, Proposed	2020-01-20
<input type="checkbox"/>	PROJECT: Legal Problems Arising out of Highway Programs. Topic 25-06. Legal Aspects of Best-Value Procurement for Highway Construction (Update) Transportation Research Board, \$100000, 2020, Proposed	2020-01-15
<input type="checkbox"/>	PROJECT: Guide for Implementing Performance Specifications Transportation Research Board, \$600000, 2020, Proposed	2020-01-15
<input type="checkbox"/>	PROJECT: Legal Aspects of Transit and Intermodal Transportation Programs. Topic 19-05. Legal Issues Surrounding Disasters and Evacuations Transportation Research Board, \$45000, 2020, Proposed	2020-01-10
<input type="checkbox"/>	PROJECT: Legal Aspects of Transit and Intermodal Transportation Programs. Topic 19-04. Transit Sponsor and Contractor Delay Damages and Remedies Due to Third Parties - Transit Facility Improvements-Common Legal Issues and Solutions Transportation Research Board, \$50000, 2020, Proposed	2020-01-07
<input type="checkbox"/>	PROJECT: Legal Aspects of Transit and Intermodal Transportation Programs. Topic 19-03. Maximizing the Availability of Sensitive Community Information (SCI) and Protected	

[Edit](#)

Developing Laboratory Methods and Specifications to Test Tack Coat Materials

The full durability of a pavement structure is strongly tied to the retention of the desired amount of tack on the pavement layer surface during construction or rehabilitation as well as the bonding quality of the tack between pavement layers. The interlayer bond, in turn, is dependent on the quality of the tack coat material. Over the last few decades, there have been several developments in tack coat materials and their application. For example, the use of non-tracking materials and specialized application equipment have gained much attention in the pavement industry. Producers have developed various tack coat materials and often approached highway agencies for product approval, and agencies and producers have developed a range of laboratory tests to evaluate the characteristics of the tack coat materials and qualify their use. Research is needed to revisit recently developed methods and produce a specification that defines the test methods, parameters, and thresholds that are indicative of performance. The objective of this research is to produce a specification with related laboratory test methods for tack coat materials that allows prediction of their performance over a range of environments, pavement types, and construction methods. The research shall consider test methods for tack coat characteristics related to bonding, tracking, and durability. The proposed specification shall exclude tests of tack coat materials bonded to asphalt or other substrates.

Record URL:
<http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?>

