



Planning Research Digest

User Guide

Developed through NCHRP Project 08-36/139

Spy Pond Partners

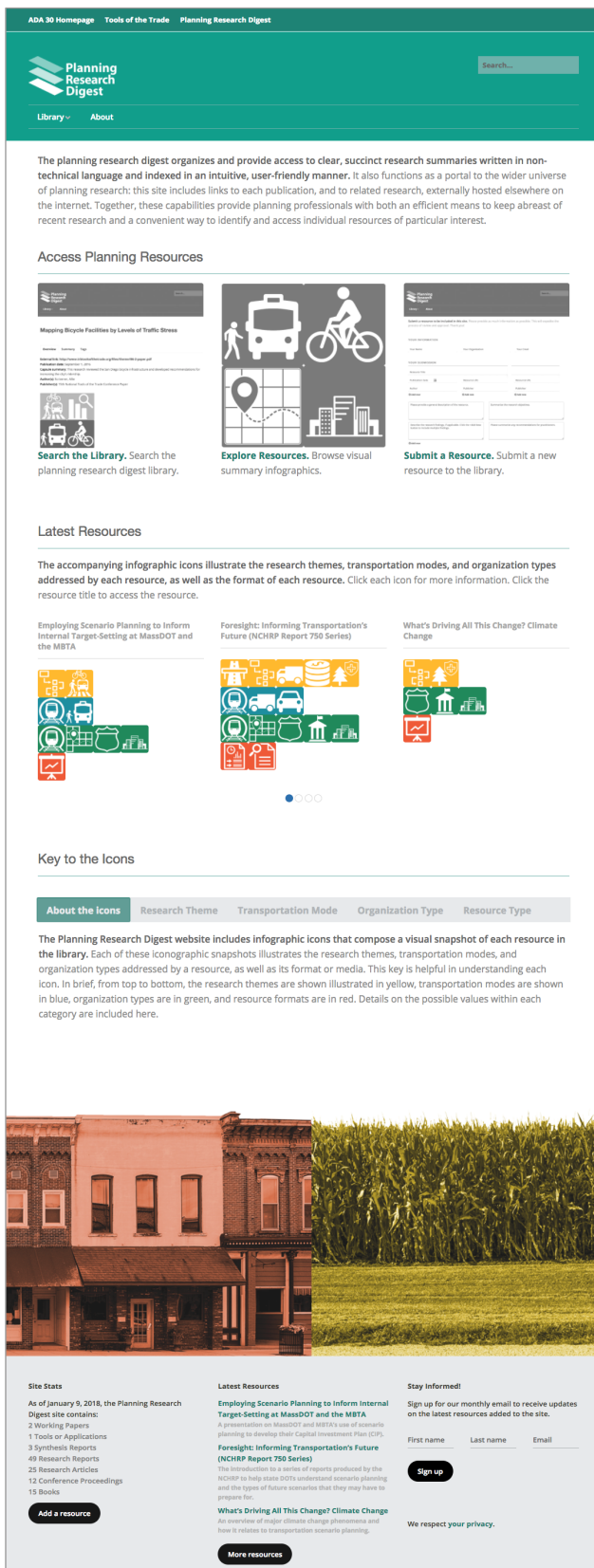
January 2018

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1. Site Overview

Planning Digest Homepage



Header Banner with search bar, drop-down site navigation menus, and links to relevant content

Introductory description of the Planning Research Digest website

Access Resources: Shows the different options users have for searching and browsing the resources on the site, as well as the option to submit resources

Latest Resources: Allows users to browse the titles and visual abstracts of the newest resources added to the site

Key to the Icons: Descriptions of the icons and categories used in the visual abstracts, and definitions of the terms that they represent

Footer Banner Image

Footer Banner containing site statistics, links to resources, and an option to sign up for the Planning Digest email newsletter

Header Banner

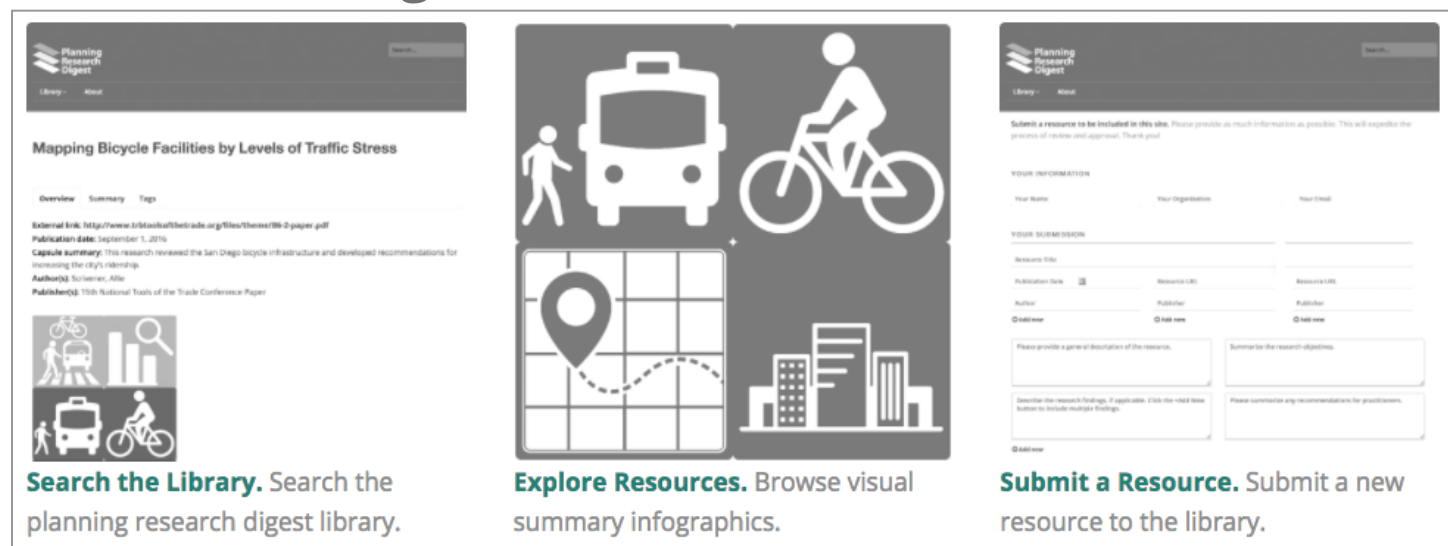
Access related TRB resources

Search website



Drop-down menu

Access Planning Resources



Browse articles by title, subject, and search term in a conventional text-based format (see **Page 6**)

Browse articles by their visual abstracts (see **Page 7**)

Users can submit new resources to the digest library through this form (see **Page 8**)

Latest Resources

In this section, browse the titles and visual abstracts of the newest resources added to the site. Users can swipe through the newest entries by clicking on the blue dots.

The accompanying infographic icons illustrate the research themes, transportation modes, and organization types addressed by each resource, as well as the format of each resource. Click each icon for more information. Click the resource title to access the resource.

Employing Scenario Planning to Inform Internal Target-Setting at MassDOT and the MBTA



Foresight: Informing Transportation's Future (NCHRP Report 750 Series)



What's Driving All This Change? Climate Change



Employing Scenario Planning to Inform Internal Target-Setting at MassDOT and the MBTA



Metropolitan Planning Organization or Regional Planning Organization

Definition: A federally funded transportation policy-making organization, comprised of local government representatives and transportation authorities

Digest Search Results Page:
<https://www.planningdigest.com/org/mpo/>

Corresponding TRID/TRT Terms
TRID Search Results Page:
<https://pubsindex.trb.org/results.aspx?tc=NN:Nggks>

TRT Search Results Page:
<https://trt.trb.org/trt.asp?NN=Nggks>

Clicking on the article title brings the user to the resource's full digest entry.

Clicking on the icons reveals a pop-up bubble showing the icon's definition, other articles containing that term, and corresponding TRID/TRT definitions (see left). To minimize this pop-up, click on the icon again.

Search the Library

Filter results by term

Do a standard text search

Library ▾About

Search Filters

Research Theme

Transportation Mode

Community Type

Planning Scope

Organization Type

Resource Type

Planning Subject (detailed)

Text Search

Reset all Filters

Search Results

- Employing Scenario Planning to Inform Internal Target-Setting at MassDOT and the MBTA**
A presentation on MassDOT and MBTA's use of scenario planning to develop their Capital Investment Plan (CIP).
August 15, 2016 – Massachusetts Department of Transportation, Massachusetts Bay Transportation Authority
- Foresight: Informing Transportation's Future (NCHRP Report 750 Series)**
The introduction to a series of reports produced by the NCHRP to help state DOTs understand scenario planning and its application.
January 1, 2014 – National Cooperative Highway Research Program
- What's Driving All This Change? Climate Change**
An overview of major climate change phenomena and how it relates to transportation scenario planning.
August 15, 2016 – WSP/Parsons Brinckerhoff
- Using Scenario Planning to Prepare for the Future-Washington State Case Study**
Overview of scenario planning in freight systems and how it was used in a freight scenario planning workshop in Washington.
August 15, 2016 – University of Washington
- What's Driving All This Change? Socio-Demographics**
Overview of major demographic shifts in the US.
August 15, 2016 – RSG
- Achieving Multimodal Networks: Applying Design Flexibility and Reducing Conflicts**
This report assists transportation planners in designing multimodal transportation networks to meet safety guidelines and reduce conflicts between modes of transportation.
June 8, 2016 – Cambridge Systematics

View search results

Click on a filter to expand list of terms. Check the box of your desired search term(s) to refine the search.

The results will automatically refresh to show all digest resources that contain the selected tag.

Library ▾About

Search Filters

Research Theme

☒ Advancing New Technologies
 ☐ Environment and Health
 ☐ Financial Strategies
 ☐ Freight and Logistics
 ☐ Innovative Data Analysis
 ☐ Performance-Based Planning
 ☐ Planning for Pedestrians, Bikes, and Transit
 ☐ Public Involvement
 ☐ Scenario Planning
 ☐ Traffic Operations
 ☐ Transportation Asset Management
 ☐ Travel Demand Modeling

Transportation Mode

Community Type

Planning Scope

Organization Type

Resource Type

Planning Subject (detailed)

Text Search

Reset all Filters

Search Results

- Sidewalk Scout, Sidewalk Sentry, and the Sidewalk Priority Index: Cost-Effective Tools for Inventorying Assets and Prioritizing Improvements in Small to Large Communities**
This report describes tools developed for managing pedestrian infrastructure as a transportation asset.
September 1, 2016 – Transportation Research Board
- Framework for Creating a Smart Growth Economic Development Strategy: A Tool for Small Cities and Towns**
This tool provides smart growth economic development strategies for stable economic growth in small cities and towns.
January 1, 2016 – Environmental Protection Agency Office of Sustainable Communities, CH2M Hill
- Smartphone Panels as Viable and Cost-effective GPS Data Collection for Small and Medium Planning Regions**
This research investigates the feasibility for other data collection methods for small and mid-sized MPOs, such as GPS data for travel surveys.
January 1, 2017 – Transportation Research Board
- Designing a Bicycle and Pedestrian Traffic Monitoring Program to Estimate Annual Average Daily Traffic in Small Towns**
This research designed traffic monitoring programs for non-motorized modes of transportation in small, rural communities.
January 1, 2017 – Transportation Research Board
- One Size Doesn't Fit All**
This article highlights several of the innovative practices shared at the Tools of the Trade conference held in Burlington, VT in 2014.
November 1, 2014 – FHWA
- Automating Web Collection and Validation of GPS Data for Longitudinal Urban Travel Studies**
This research developed a Web-based prototype to collect, analyze, and update GPS travel survey data.
August 31, 2012 – University Transportation Research Center: City College of New York, Hunter College of the City University of New York, Research and Innovative Technology Administration
- Transport Survey Methods, Best Practice for Decision Making**
This book compiles the travel behavior research strategies discussed at the 9th International Conference on Transport Surveys.
January 29, 2013 – Emerald Group Publishing Limited
- Evaluation of Existing Smartphone Applications and Data Needs for Travel Surveys**
The report discusses the use of smartphones as a vehicle for travel surveys in Texas.
April 1, 2015 – University of North Texas, Denton: Department of Computer Science and Engineering, Texas Department of Transportation, Research and Technology Implementation Office, Federal Highway Administration
- Multimobility and Sharing Economy: Shaping the Future Market Through Policy and Research**
The paper reports on findings and discussions that took place during the workshop on Multimobility and Sharing Economy: Policy and Research, at the 95th Annual Meeting of the Transportation Research Board.
July 1, 2016 – Texas A&M Transportation Institute, Texas Department of Transportation: Research and Technology Implementation Office

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Explore Resources

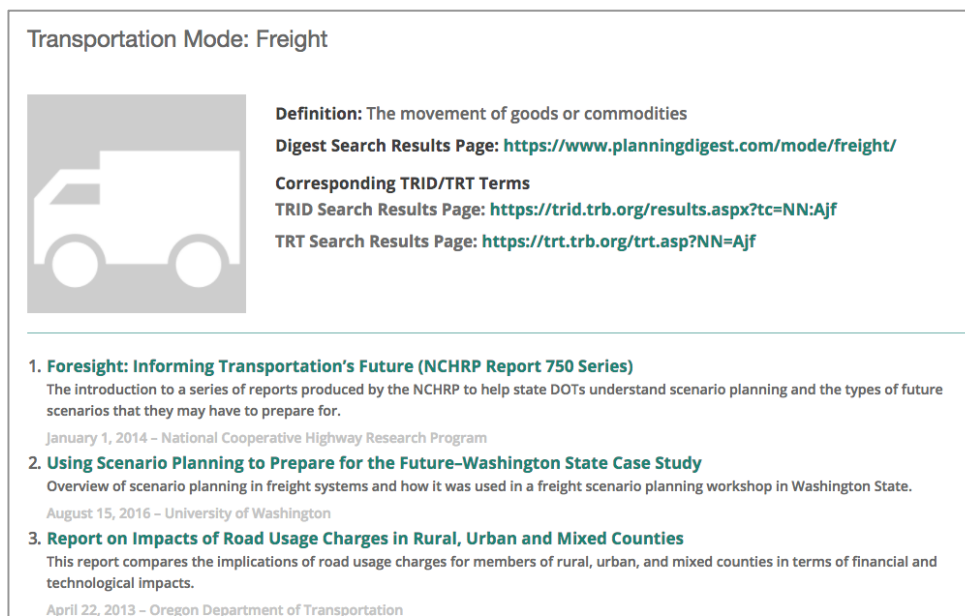
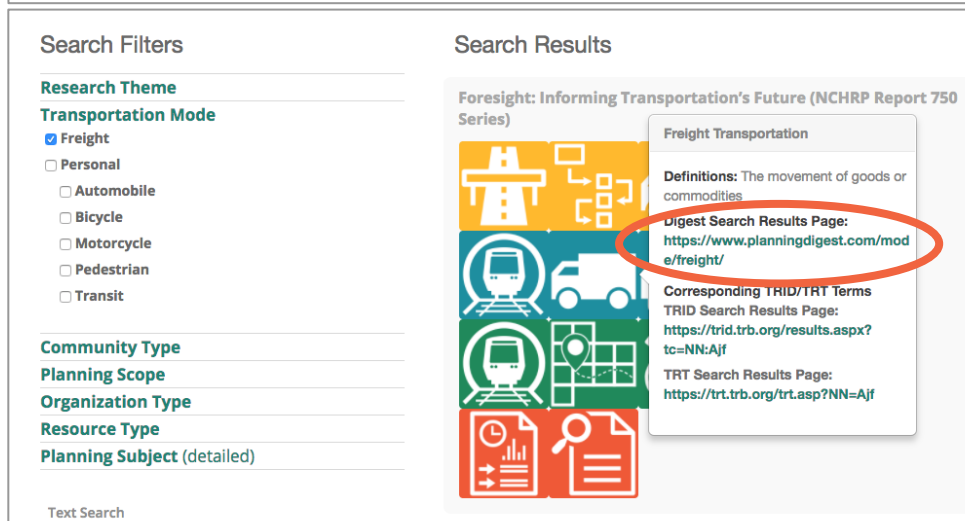
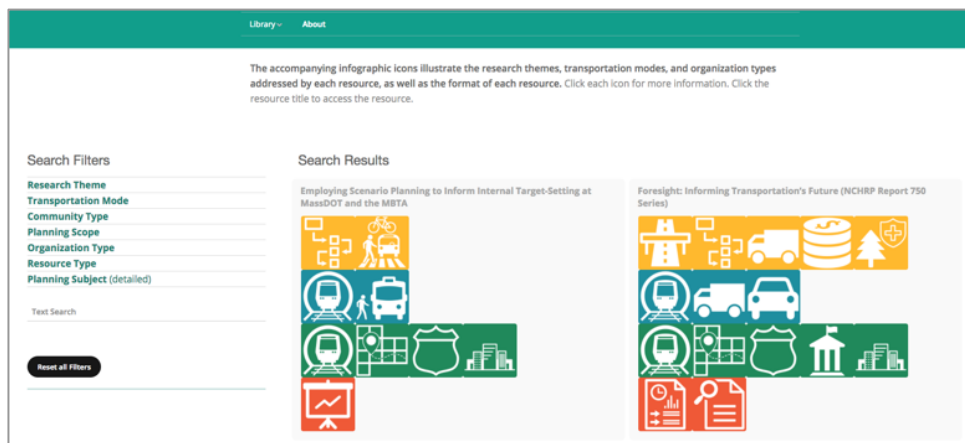
In this interface, users can view and search resources with their visual abstracts—infographic icons that depict the research theme(s), mode(s) of transportation, and other tagged attributes.

Click on a filter to expand list of terms. Check the box of your desired search term(s) to refine the search.

Clicking the icons in the Search Results window reveals a pop-up bubble.

Selecting the **“Digest Search Results Page”** link in the pop-up bubble (circled in red) will bring up a page containing all of the resources that are tagged with the selected attribute, which are displayed in a standard list format.

This page also contains the term definition and links to corresponding TRID and TRT search terms.



Submit a Resource

The Planning Research Digest website also includes a form in which users can submit resources to the site's resource library. This form may be accessed from the site's home page.

Users are asked to submit basic information about the resource, a description of the resource, its research objectives, its findings, its recommendations for practitioners, and a one-sentence capsule summary.

[Library](#)
[About](#)

Submit a resource to be included in this site. Please provide as much information as possible. This will expedite the process of review and approval. Thank you!

YOUR INFORMATION

Your Name	Your Organization	Your Email
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YOUR SUBMISSION

Resource Title		
Publication Date	Full resource URL (including http://)	
Author	Publisher	Resource Contact Email
Add new	Add new	Add new

Please provide a general description of the resource.

Summarize the research objectives.

Describe the research findings, if applicable. Click the +Add New button to include multiple findings.

Please summarize any recommendations for practitioners.


[Add new](#)

Provide a one-sentence summary (for search results)

Include any other notes here.

ADDITIONAL INFORMATION

Research Theme <ul style="list-style-type: none"> <input type="checkbox"/> Advancing New Technologies <input type="checkbox"/> Environment and Health <input type="checkbox"/> Financial Strategies <input type="checkbox"/> Freight and Logistics <input type="checkbox"/> Innovative Data Analysis <input type="checkbox"/> Performance-Based Planning <input type="checkbox"/> Planning for Pedestrians, Bikes, and Transit <input type="checkbox"/> Public Involvement <input type="checkbox"/> Scenario Planning <input type="checkbox"/> Traffic Operations <input type="checkbox"/> Transportation Asset Management <input type="checkbox"/> Travel Demand Modeling 	Planning Subject <ul style="list-style-type: none"> <input type="checkbox"/> Evaluation and Assessment <ul style="list-style-type: none"> <input type="checkbox"/> Analysis <input type="checkbox"/> Deficiencies <input type="checkbox"/> Evaluation <input type="checkbox"/> Feasibility Assessment <input type="checkbox"/> Needs Assessment <input type="checkbox"/> Performance Management <input type="checkbox"/> Ratings <input type="checkbox"/> Technology Assessment <input type="checkbox"/> Facility or Land Use <ul style="list-style-type: none"> <input type="checkbox"/> Land Use Planning <ul style="list-style-type: none"> <input type="checkbox"/> City Planning <input type="checkbox"/> Master Planning <input type="checkbox"/> Regional Planning <input type="checkbox"/> Transportation Planning <ul style="list-style-type: none"> <input type="checkbox"/> Airport Planning <input type="checkbox"/> Highway Planning <input type="checkbox"/> Sustainable Transportation <input type="checkbox"/> Transportation System Management <input type="checkbox"/> Plan Implementation <ul style="list-style-type: none"> <input type="checkbox"/> Beautification <input type="checkbox"/> Development <ul style="list-style-type: none"> <input type="checkbox"/> Joint Development <input type="checkbox"/> Mixed-Use Development <input type="checkbox"/> Redevelopment <input type="checkbox"/> Sustainable Development <input type="checkbox"/> Transit-Oriented Development <input type="checkbox"/> Historic Preservation <ul style="list-style-type: none"> <input type="checkbox"/> Historic Sites <input type="checkbox"/> Improvements <input type="checkbox"/> Modernization <input type="checkbox"/> No Build <input type="checkbox"/> Programming <input type="checkbox"/> Resource Allocation <input type="checkbox"/> Scheduling <input type="checkbox"/> Planning Methods <ul style="list-style-type: none"> <input type="checkbox"/> Decision Making <input type="checkbox"/> Forecasting <input type="checkbox"/> Long-Range Planning <input type="checkbox"/> Network Analysis <input type="checkbox"/> Short-Range Planning <input type="checkbox"/> Sketch Planning <input type="checkbox"/> Strategic Planning <input type="checkbox"/> Systems Analysis 	Transportation Mode <ul style="list-style-type: none"> <input type="checkbox"/> Freight <input type="checkbox"/> Personal <ul style="list-style-type: none"> <input type="checkbox"/> Automobile <input type="checkbox"/> Bicycle <input type="checkbox"/> Motorcycle <input type="checkbox"/> Pedestrian <input type="checkbox"/> Transit
Community Type <ul style="list-style-type: none"> <input type="checkbox"/> City <ul style="list-style-type: none"> <input type="checkbox"/> Large City <input type="checkbox"/> Medium City <input type="checkbox"/> Small City <input type="checkbox"/> Rural <input type="checkbox"/> Suburb 	Organization Type <ul style="list-style-type: none"> <input type="checkbox"/> Association <input type="checkbox"/> City <input type="checkbox"/> CoG <input type="checkbox"/> County <input type="checkbox"/> DOT <input type="checkbox"/> MPO or RPO <input type="checkbox"/> Planning Commission <input type="checkbox"/> Transit 	Resource Type <ul style="list-style-type: none"> <input type="checkbox"/> Book <input type="checkbox"/> Conference Proceedings <input type="checkbox"/> Research Article <input type="checkbox"/> Research Report <input type="checkbox"/> Synthesis Report <input type="checkbox"/> Tool or App <input type="checkbox"/> Web Audio or Video <input type="checkbox"/> Working Paper
Planning Scopes <ul style="list-style-type: none"> <input type="checkbox"/> International <input type="checkbox"/> Regional or Metro Area <ul style="list-style-type: none"> <input type="checkbox"/> Border Community <input type="checkbox"/> State Level <ul style="list-style-type: none"> <input type="checkbox"/> Multi-State <input type="checkbox"/> Single State 	Designations <ul style="list-style-type: none"> <input type="checkbox"/> Case Study <input type="checkbox"/> Noteworthy Practice 	

☐ I'm not a robot


Next, users can select all of the tags that apply to their resource, which include: Research Theme, Resource Type, Community Type, Planning Scope, Planning Subjects, Transportation Modes, Organization Types, and Designations.

Once the user has filled out and submitted the form, it is sent to a site administrator for review and approval. When a resource is approved, it is published to the website, indexed with all applicable tags, and given a visual abstract.

Resource Entries

Resource Title

Toggle between Overview, Summary, and Tags tabs

Metadata including an external link, date of publication, a capsule summary, author(s), and publisher(s)

Visual abstract with clickable icons

Summary of resource, including Description, Objectives, Findings, and Recommendations

Written list of tags ascribed to resource

Small Town and Rural Multimodal Networks

Overview Summary Tags

External link:

https://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/small_towns/page00.cfm

Publication date: December 1, 2016

Capsule summary: This handbook aims to provide transportation practitioners with guidance for rural and small-town specific geographic, fiscal, and other challenges.

Author(s):

Publisher(s): U.S. Department of Transportation, Federal Highway Administration Office of Planning, Environment, and Realty



Overview Summary Tags

Description: Small-town and rural communities demand active transportation infrastructure even more than urban areas, as many small and rural areas were built to favor high-speed motorized traffic and therefore leave pedestrians and bicyclists in a dangerous environment. Small and rural communities also have higher rates of physical inactivity, crash rates, and lower income than urban areas, demonstrating a greater need for active transportation practices.

Objectives: The objective of this handbook is to generate a continued dialogue about multimodal active transportation infrastructure needs in small and rural communities. The research uses AASHTO resources, case studies, and FHWA local experimentation to help provide guidance for small, rural area decision makers.

Findings: The handbook developed by this research project is an effective guide for rural and small-town transportation planners. The findings address a variety of active transportation facilities such as: mixed traffic facilities, visually and physically separated facilities, and key transportation network opportunities. Each facility includes specific design and implementation data-based guidelines.

Recommendations: The handbook encourages small, rural community decision makers to focus on designing and implementing multimodal infrastructure for active transportation needs. The guide also recommends furthering the conversations surrounding rural active transportation needs to continuously improve the geographic, economic, and health challenges that currently face these rural communities.

Overview Summary Tags

Research Theme: Environment and Health, Planning for Pedestrians, Bikes, and Transit

Community Type: City, Rural, Small City

Transportation Mode: Bicycle, Pedestrian, Personal

Planning Scope:

Organization Type: City, DOT, MPO or RPO

Planning Subject: Facility or Land Use, Transportation Planning