

Multimodal Resources and Tools
Attachment 1

Category	Num.	Resource	Date	Description	FHWA POC	Link	When to use this resource					
							Long-range planning	Corridor planning	Programming	Preliminary design and engineering	Environmental permitting	Final design and engineering
Policy and Guidance	1	Bicycle and Pedestrian Facility Design Flexibility Memorandum	Aug. 2013	The memorandum expresses FHWA's support for taking a flexible approach to bicycle and pedestrian facility design and FHWA support of other resources to further develop nonmotorized transportation networks, particularly in urban areas.	Dan Goodman	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/guidance/design_guidance/design_flexibility.cfm	X	X	X	X		X
	2	FHWA Guidance: Bicycle and Pedestrian Provisions of Federal Transportation Legislation	Sept. 2015	This guidance describes Federal legislative and policy direction related to safety and accommodation for bicycling and walking.	Dan Goodman / Christopher Douwes	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/guidance/guidance_2015.cfm	X		X			
	3	Pedestrian and Bicycle Funding Opportunities (New)	Aug. 2016	This table indicates potential eligibility for pedestrian and bicycle projects under U.S. Department of Transportation surface transportation funding programs.	Dan Goodman / Christopher Douwes	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/funding/funding_opportunities.cfm	X		X			
	4	Transportation Alternatives Guidance (New)	May 2016	Guidance on funding, eligibility, selection process, and related information for the Transportation Alternatives Set-Aside including the Recreational Trails Program.	Christopher Douwes	http://www.fhwa.dot.gov/environment/transportation_alternatives/guidance/guidance_2016.cfm	X		X			
	5	Recreational Trails Program Guidance (New)	Various 1999 thru 2016	Links to Recreational Trails Program guidance documents: program guidance, Federal share, eligibility, and FAST Act supplements.	Christopher Douwes	http://www.fhwa.dot.gov/environment/recreational_trails/guidance/	X		X	X		
Reference Materials and Resources (Guidebooks, Handbooks, FAQs, Fact Sheets)	6	Governor's Institute on Community Design's (GICD) Guide to Performance Management: The why and how of measuring access to opportunity. (New)	Jan. 2017	This report will provide State DOTs and MPOs with an overview on the state of the practice in Performance Measurement with a focus on connectivity, multimodal. And Livability outcomes through the production a guidebook and two Performance Measurement Workshops.	Wesley Blount/ Fred Bowers	FORTHCOMING	X	X				
	7	Institute of Transportation Engineers Practitioner's Guide: A Context Sensitive Solutions Approach to Multimodal Thoroughfare Design (New)	June 2017	The guide will include case studies and demonstrate how the National Association of City Transportation Officials (NACTO) Urban Street Design Guide and Urban Bikeway Design can be successfully applied.	Dan Goodman	FORTHCOMING	X	X	X	X		
	8	Achieving Multimodal Networks: Applying Design Flexibility and Reducing Conflicts (New)	Aug. 2016	This resource highlights ways to apply design flexibility, while focusing on reducing multimodal conflicts and achieving connected networks.	Dan Goodman	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/multimodal_networks/	X	X	X	X		X

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Reference Materials and Resources (Guidebooks, Handbooks, FAQs, Fact Sheets)	9	Case Studies in Delivering Safe, Comfortable, and Connected Pedestrian and Bicycle Networks (New)	Dec. 2015	This report provides an understanding of the critical components of pedestrian and bicycle networks and highlights examples from communities across the country that are using a variety of methods to enhance and promote these networks.	Dan Goodman/ Wesley Blount	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/network_report/	X	X	X			
	10	U.S Department of Transportation Pedestrian and Bicyclist Road Safety Assessments - Summary Report (New)	Oct. 2015	This report compiles and presents lessons learned from all 52 assessments.	Dan Goodman	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/resources/assessments/	X	X	X			
	11	Guidebook for Evaluating, Establishing, and Tracking Pedestrian and Bicycle Performance Measures (New)	Mar. 2016	This report presents potential measures, organized in categories useful to practitioners at the local, MPO, State, and national level.	Dan Goodman	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/performance_measures_guidebook/	X	X	X			
	12	Incorporating On-Road Bicycle Networks into Resurfacing Projects	Dec. 2015	The workbook assists communities to better capture opportunities during roadway resurfacing projects as an efficient and cost-effective way to create connected networks of bicycle facilities.	Dan Goodman	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/resurfacing/	X	X	X	X		
	13	Transportation Alternatives Program (TAP) Performance Management Guidebook (New)	Mar. 2016	This report provides sample performance measures that States, MPOs, and project sponsors may consider as they administer, implement, and evaluate TAP projects and program outcomes.	Christopher Douwes	http://www.fhwa.dot.gov/environment/transportation_alternatives/performance_management_guidebook/	X		X			
	14	MPO Pedestrian and Bicycle Planning Handbook (New)	2016	This handbook discusses how to fully consider pedestrian and bicycle travel in MPO planning activities, and highlight examples from MPOs around the country.	Jody McCullough	FORTHCOMING						
	15	Strategic Agenda for Pedestrian and Bicycle Transportation (New)	Sept. 2016	The document provides a strategic framework for issues such as data collection and management, network implementation and documentation, research, training, and national design guidance. The strategic framework will inform future investments, coordinate policies, and promote partnerships.	Dan Goodman	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/strategic_agenda/	X					
	16	Small Town and Rural Road Street Design Guide (New)	Dec. 2016	The Design Guide will detail strategies and techniques for building connected networks in rural areas and small towns.	Dan Goodman	FORTHCOMING	X	X	X	X		
	17	Statewide Pedestrian and Bicycle Planning Handbook	Sept. 2014	This handbook helps State DOTs develop or update State pedestrian and bicycle plans by covering statewide planning from plan inception and scoping to engaging stakeholders and the general public; developing goals, objectives, and strategies; collecting and analyzing data; linking to the larger statewide transportation planning process; and implementation.	Jody McCullough	http://www.fhwa.dot.gov/planning/processes/pedestrian_bicycle/pedestrian_bicycle_handbook/	X	X	X	X	X	X

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Reference Materials and Resources (Guidebooks, Handbooks, FAQs, Fact Sheets)	18	Bicycle and Pedestrian Funding, Design, and Environmental Review: Addressing Common Misconceptions	Aug. 2015	This document addresses common misconceptions in 3 policy areas: funding, design, and environmental review. It document distinguishes between Federal standards and State and local practice and provides links to resources that provide more detail on the topic.	Dan Goodman	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/overview/misconceptions.pdf	X	X	X	X	X	X
	19	Separated Bike Lane Planning and Design Guide	May 2015	This Guide outlines planning considerations for separated bike lanes and provides a menu of design options covering typical one and two-way scenarios.	Dan Goodman	https://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/separated_bikelane_pdg/page00.cfm	X	X	X	X		
	20	National Center for Safe Routes to School Website	2015	The website features numerous resources on the Safe Routes to School program.	Wesley Blount	http://www.saferoutesinfo.org/	X	X	X			
	21	Safe Routes to School National Partnership	2015	The website features numerous resources on Safe Routes to School National Partnership to advance walking and bicycling to and from school.	Wesley Blount	http://saferoutespartnership.org/	X	X	X			
	22	Safe Routes to School 10 Year Report	Oct. 2015	This report examines the accomplishments of the Federal program and highlights successful SRTS programs around the country.	Wesley Blount	http://fhwatest.fhwa.dot.gov/environment/safe_routes_to_school/resources/ten_year_report/index.cfm	X	X	X			
	23	Delivering Safe, Comfortable, and Connected Pedestrian and Bicycle Networks: A Review of International Practices	May 2015	The study identifies noteworthy and innovative international designs, treatments, and other practices that have potential to improve bicycle and pedestrian safety and access and increase walking and bicycling in the United States.	Dan Goodman	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/global_benchmarking/	X					
	24	Accessibility Guidebook on Outdoor Recreation and Trails	2012	The guidebook provides the Forest Service's guidelines for outdoor recreation areas and trails. It is readily applicable for any recreational trail.	Christopher Douwes	http://www.fs.fed.us/recreation/programs/accessibility/pubs/htmlpubs/html12232806/index.htm	X	X	X	X	X	X
	25	Questions and Answers: Supplement to the 2013 DOJ/DOT Joint Technical Assistance on the Title II of the Americans with Disabilities Act Requirements To Provide Curb Ramps when Streets, Roads, or Highways are Altered through Resurfacing	Dec. 2015	The document responds to frequently asked questions that the FHWA has received since the technical assistance document was published, including what types of street projects constitute resurfacing that trigger the obligation to install curb ramps to adjacent sidewalks.	Candace Groudine	https://www.fhwa.dot.gov/civilrights/programs/ada_resurfacing_ga.cfm	X	X	X	X		

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	26	Questions and Answers about ADA/Section 504 (New)	2016	These questions and answers help practitioners better understand roles and responsibilities to provide accessible transportation facilities under the Americans with Disabilities Act of 1990 (ADA) and the Rehabilitation Act of 1973 (Section 504).	Candace Groudine	FORTHCOMING						
d Development (Workshops, Formal Courses, Webinars, and Peer Exchanges)	27	Peer Exchange/ Connectivity Workshop	TBA	This request will support peer exchanges/workshops coordinated by FHWA Divisions to further explore and advance plans and programs that address gaps identified during the pedestrian and bicycle assessments.	Dan Goodman	FORTHCOMING						
	28	Webinar: Perspectives for Performance Concepts of Connectivity, Accessibility and Mobility	TBA	The webinar will offer detailed information on OST, FTA, and FHWA program and research activities underway that address the Secretary's Ladders of Opportunity, Connectivity, and Bike Safety priorities and FHWA's Strategic Plan elements associated with improved multi-modal options and bicycle and pedestrian networks.	Spencer Stevens	FORTHCOMING						
	29	OST National Connectivity Workshop	April 2015	The workshop focused on Connectivity, or accessibility, and how the transportation system provides access to essential services and other destinations.	Ken Petty, Shari Schaftlein	http://www.transportation.gov/home/connectivity	X	X				
	30	Webinar: Integrating Bike/Ped Considerations in Transportation Planning	July 2015	The internal training session (through the Planning on the Web series) for FHWA staff discussed ways to effectively address active transportation in the metropolitan and statewide transportation planning processes. The session was presented in the context of connectivity and safety concerns, as well as, links to Ladders of Opportunity. Initiatives and products developed by FHWA to address bicycle and pedestrian transportation were discussed, such as the recent Statewide Pedestrian and Bicycle Planning Handbook and the MPO Pedestrian and Bicycle Planning Handbook now under development. Outcomes from the very successful Pedestrian and Bicycle Assessments conducted in each State this past spring were discussed. Other key research initiatives and products were shared as resources for Division planners to enhance their oversight and stewardship responsibilities	Brian Betlyon/Jim Thorne	http://our.dot.gov/office/fhwa.dss/planning/Page%20Library/POW.aspx https://connectdot.connectsolutions.com/p4jsze9v08t/						

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Learning and Development (Workshops, Formal Courses, Webinars, and Peer Exchanges)	31	Webinar: "Examining Connectivity, Accessibility and Mobility"	Aug.2015	The internal training session (through the Planning on the Web series) for FHWA staff discussed emerging performance concepts for Connectivity, Accessibility and Mobility. The session covered the following: definitions and terminology; connections to other related agency initiatives and priorities; linkages with transit initiatives and available research and resources.	Lisa Randall	http://our.dot.gov/office/fhwa.dss/planning/Page%20Library/POW.aspx https://connectdot.connectsolutions.com/p1zn54p371y/						
	32	Webinar: Safe Routes to Schools Activities in Support of Ladders of Opportunities	Feb. 2015	The webinar discusses why effective transportation in disadvantaged communities is important to the USDOT and highlights key aspects of the Safe Routes to School program that may differ from typical Federal transportation programs.	Wesley Blount	http://www.saferoutesinfo.org/training/srts-webinars/safe-routes-school-activities-support-ladders-opportunity-mpo-and-state-progr						
	33	Webinar: Multimodality in Major Cities: Urban Success Stories	2015	This webinar discussed lessons learned from urban multimodal projects and practices of multimodal implementation.	Wesley Blount	http://www.trb.org/main/blurbs/172907.aspx	X	X		X		
	34	Annual Average Daily Pedestrian and Bicycle Traffic Estimator (New)	2016	These tools will estimate Annual Average Daily Pedestrian and Bicycle Traffic and work to improve pedestrian and bicycle transportation planning and design efforts by cities, MPOs, and State DOTs.	Jeremy Raw	FORTHCOMING	X	X		X		

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Tools (Analytical Methods and Approaches, Online Tools, Data)	35	MySidewalk Application (New)	Fall 2017	MySidewalk is a mobile application facilitating the crowd-sourced collection of sidewalk inventory and condition data. MySidewalk utilizes advances in social networks, mobile data collection, and data mining to provide integrated sidewalk datasets. Phase I demonstrated the feasibility of the concept through a proof-of-concept prototype. Important functionality supported by MySidewalk are an integrated view of sidewalk GIS data, pedestrian-networks gap analysis, pedestrian usage of non-sidewalk paths, audit and maintenance of sidewalk accessibility issues, and public inputs into sidewalk infrastructure prioritizing. MySidewalk provides critical data and analysis infrastructure to local, state, and federal entities allowing them to better manage and maintain sidewalk networks. MySidewalk provides the foundation for future capabilities such as the analysis of pedestrian usage patterns and factors influencing demand. Phase II will improve the MySidewalk user interface and features, beta test a pilot implementation, and prepare to take the application to market.	Dan Goodman	FORTHCOMING	X	X	X			
	36	Connectivity Resources	2015	Resources in resources in this collection are provided to highlight the concept of connectivity and provide some examples of how various researchers and agencies are using connectivity to communicate concerns within their communities and focus strategies to address them.	Brian Gardner	http://www.fhwa.dot.gov/livability/tools/cer/	X	X	X			
	37	Rapid Policy Assessment Tool (New)	2016	Scenario-based planning tools developed under the Strategic Highway Research Program that can be used to evaluate pedestrian and bicycle mode share changes as a function of land-use and investment alternatives. Support included in- person training delivered at TRB Tools of the Trade Conference and external over webinar.	Eric Pihl	https://planningtools.transportation.org/551/rapid-policy-analysis-tool.html	X	X				
	38	Counting Pilot (New)	Anticipated Dec 2016	Pilot to establish ongoing pedestrian and bicycle counting programs at ten MPOs.	Jeremy Raw	http://www.fhwa.dot.gov/environment/bicycle_pedestrian/counting_pilot/	X	X	X	X		X

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	39	Coding Guidance for Traffic Monitoring Guide Nonmotorized Data Format (New)	Nov. 2016	Guidance to facilitate coding bicycle and pedestrian counts in the Traffic Monitoring Guide format (useful for submitting data to the new FHWA national count database in the Traffic Monitoring Analysis System).	Jeremy Raw	http://www.fhwa.dot.gov/policyinformation/tmguide/	X	X	X	X		X