

Recreational Trail Program Innovative Practices & Technologies

February 12, 2019 2:30 p.m. - 4:00 p.m. Roosevelt

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Connecting Communities: Integrating Transportation and Recreation Networks









USDOT Strategic Plan Goals for FY 2018-2022

Safety

 Reduce Transportation-Related Fatalities and Serious Injuries Across the Transportation System.

Infrastructure

 Invest in Infrastructure to Ensure Mobility and Accessibility and to Stimulate Economic Growth, Productivity, and Competitiveness for American Workers and Businesses.

Innovation

 Lead in the Development and Deployment of Innovative Practices and Technologies that Improve the Safety and Performance of the Nation's Transportation System.

Accountability

 Serve the Nation with Reduced Regulatory Burden and Greater Efficiency, Effectiveness, and Accountability.

National Context

FHWA Programs Support:

- An integrated, safe, accessible, and convenient transportation system for all
- Connected pedestrian and bicycle networks
- Design flexibility
- Economic development
- Efficient project development
- Equity, quality of life, and livability
- Multimodal data
- Sustainable transportation policies and practices

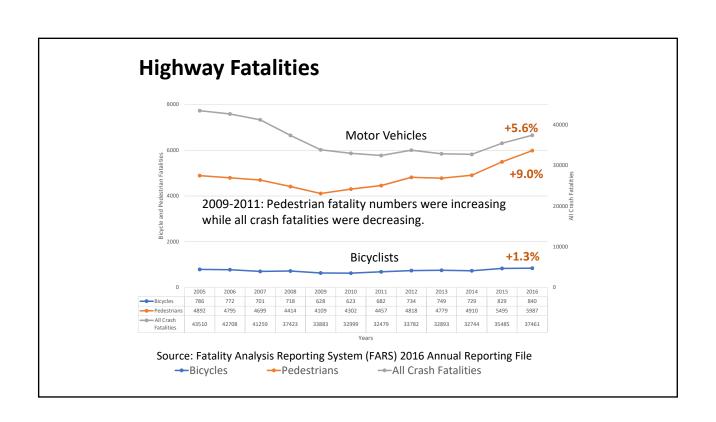


Youth Corps and Workforce Development MAP-21 Section 1524

- DOT encourages States to have contracts and cooperative agreements with qualified Youth Service and Conservation Corps.
- Corps work on recreational trails, pedestrian and bicycle projects, safe routes to school.
- Corps provide workforce development training.
- Agencies can sole source to qualified Corps.
- https://www.fhwa.dot.gov/environment/transportation_alter natives/guidance/youth workforcedev 2018.cfm







Connecting Communities: Integrating Transportation and Recreation

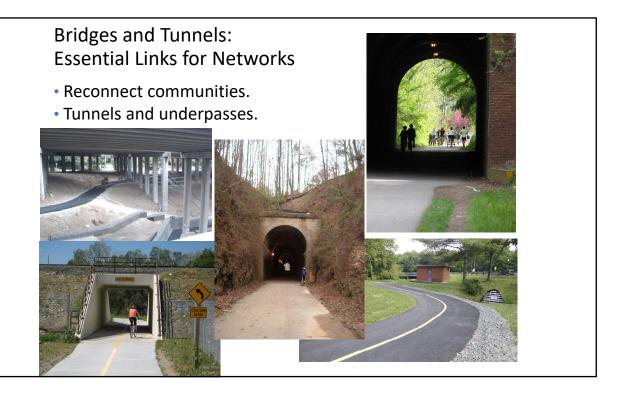
- We can connect and integrate transportation and recreation infrastructure.
- Trails: spines for transportation networks.
- Transportation and Recreation isn't either/or!



Bridges and Tunnels: Essential Links for Networks

- Long life spans: Plan for future demand, use, and reuse.
- Bridges connect communities.

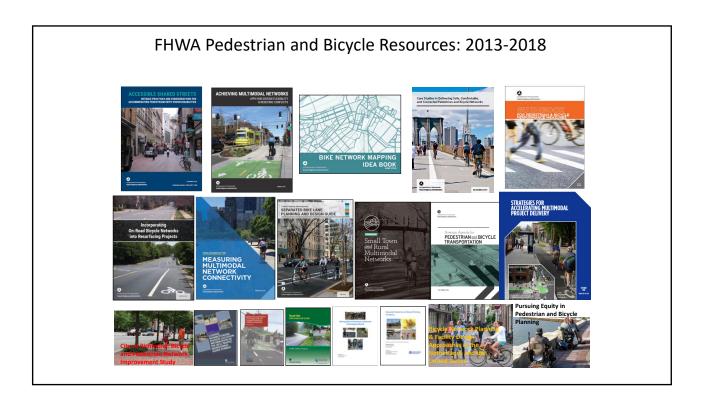




Recreational trails used for transportation

- Rail-trails and other shared use paths.
- No Federal law or regulation requires pavement, (accessibility requires "firm and stable").
- No Federal law or regulation prohibits equestrian use.



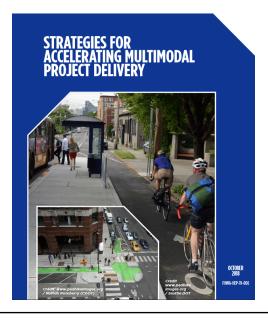


Small Town and Rural Multimodal Networks



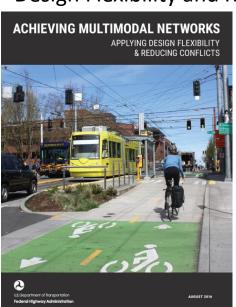
- Bicycle and pedestrian design in a rural context.
- Encourages innovation in development of safe and appealing networks for bicycling and walking.
- Examples of peer communities and project implementation.



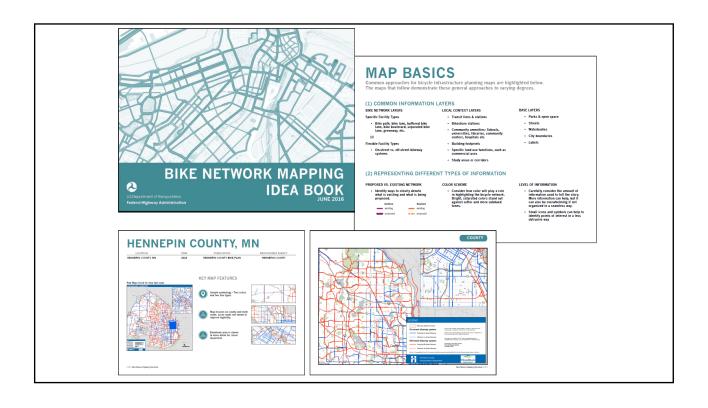


- Identifies specific strategies and techniques to accelerate multimodal project delivery.
- Proven techniques that agencies are using to get high quality results
- Reduce barriers and delays in the project delivery process.

Achieving Multimodal Networks: Applying Design Flexibility and Reducing Conflicts



- Provide design flexibility, while reducing multimodal conflicts and achieving connected networks.
- Help practitioners address topics such as:
 - Intersection design
 - Road diets
 - Pedestrian crossing treatments
 - Transit and school access
 - Freight
 - Accessibility



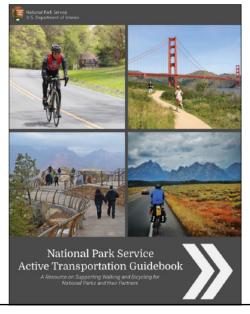
Measuring Multimodal Network Connectivity

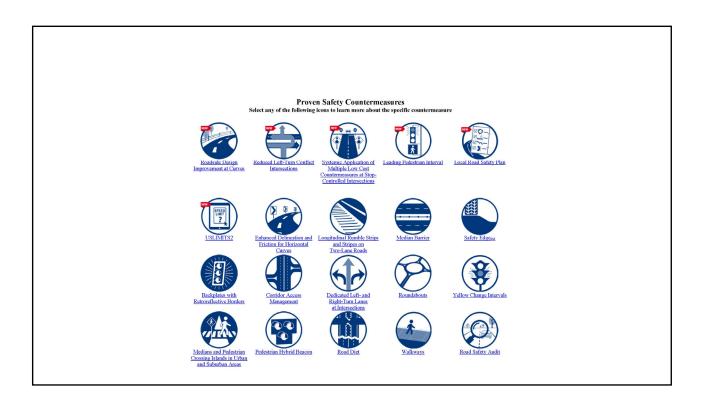


MEASURING MULTIMODAL NETWORK CONNECTIVITY POSITIONS A TRANSPORTATION AGENCY TO:

- Enhance access to jobs, training, Prioritize infrastructure schools, and economic centers
- Accelerate project delivery by capturing efficiencies in economies of scale, project sequencing, construction phasing, • Partner with the private sector financing, and community involvement
- Increase accountability of efforts to increase mobility options and system efficiency
- investments that fill gaps and address barriers in the transportation network, and that increase safety for all users
- to provide innovative multimodal transportation services and capture opportunities relating to shared-use mobility and automated and connected technology

National Park Service Active Transportation Guidebook





Pedestrian and Bicycle Funding Opportunities U.S. Department of Transportation Transit, Highway, and Safety Funds Revised August 9, 2018

This table indicates potential eligibility for pedestrian and hicycle projects under U.S. Department of Transportation surface transportation funding programs. Additional restrictions may apply. See notes and basic program requirements below, and see program guidance for detailed requirements. Project sporsors should fully integrate nonmotorized accommodation into surface transportation projects. Section 1404 of the Exing America's Surface Transportation (FAST) Act modified 23 U.S.C. 109 to require federally-funded projects on the National Highway System to consider access for other modes of transportation, and provides greater design flexibility to do so.

	pply). ~\$ = Eligible, but not competitive unless part of a larger project. \$* = See program-specific notes for restrictions. Pedestrian and Bicycle Funding Opportunities															
Activity or Project Type			U.S. D	enar		t of Tra								ty Fun	ds	
	BUILE					CMAQ										FLTT
	ВСПЕ	114114	11111	1111		Citie	110/11	141111	DIDG		KII	DICTO	1 10/11	402	405	1011
Access enhancements to public transportation (includes benches, bus pads)	\$	~\$	\$	\$	\$	S		S	\$	\$						S
ADA/504 Self Evaluation / Transition Plan									\$	S	\$		S			S
Bicycle plans			Т	\$					\$	\$		S	S			S
Bicycle helmets (project or training related)									\$	\$SRTS		S		\$*		
Bicycle helmets (safety promotion)									\$	\$SRTS		S				
Bicycle lanes on road	\$	~\$	\$	\$	\$	S	\$	S	\$	\$		S				S
Bicycle parking	~\$	~-\$	S	\$	\$	S		S	\$	\$	\$	S				S
Bike racks on transit	\$	~\$	\$	\$	\$	S			\$	\$						S
Bicycle repair station (air pump, simple tools)	~\$	~\$	~S	\$	\$	s			\$	\$						S
Bicycle share (capital and equipment; not operations)	\$	~\$	\$	\$	\$	\$		S	\$	\$						S
Bicycle storage or service centers (example: at transit hubs)	~\$	~\$	~\$	\$	\$	\$			\$	\$						S
Bridges / overcrossings for pedestrians and/or bicyclists	\$	~\$	\$	\$	\$	\$*	\$	S	\$	S	\$	S				S
Bus shelters and benches	\$	~\$	\$	S	\$	S		S	\$	S						S
Coordinator positions (State or local)						\$ 1 per State			\$	\$srts		\$				
Crosswalks (new or retrofit)	\$	~\$	\$	\$	\$	\$*	\$	S	\$	\$	\$	S				S
Curb cuts and ramps	\$	~\$	\$	\$	\$	\$*	\$	S	\$	8	\$	\$				S
Counting equipment				\$	\$		\$	S	\$	\$	\$	S	S*			S
Data collection and monitoring for pedestrians and/or bicyclists				\$	\$		\$	S	\$	\$	\$	\$	S*			S
Historic preservation (pedestrian and bicycle and transit facilities)	\$	~\$	\$	\$	\$				\$	\$						S
Landscaping, streetscaping (pedestrian and/or bicycle route; transit access); related amenities (benches, water fountains); generally as part of a larger project	~\$	~\$	~\$	\$	\$			S	\$	\$						S
Lighting (pedestrian and bicyclist scale associated with pedestrian/bicyclist project)	\$	~\$	s	S	\$		\$	s	\$	s	\$	S				s
Maps (for pedestrians and/or bicyclists)				\$	\$	\$			\$	S		S	S*			
Paved shoulders for pedestrian and/or bicyclist use	\$	~-\$	\$			\$*	S	S	\$	S		S				S

 Congestion Mitigation and Air Quality Improvement Program (CMAQ)

• Surface Transportation Block Grant Program (STBG)

• Transportation Alternatives Set-Aside

• Recreational Trails Program (RTP)

• Federal Lands Transportation Program

• Federal Lands Access Program



Transportation Alternatives



The TA Set-Aside authorizes funding for programs and projects defined as *transportation alternatives*, including:

- On- and off-road pedestrian and bicycle facilities, including trails for nonmotorized use.
- Community improvement activities:
 - Historic preservation
 - Vegetation management
- Environmental mitigation related to stormwater and habitat connectivity
- Recreational trail projects
- Safe routes to school projects



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Transportation Alternatives



Eligible Project Sponsors

- Local governments;
- Regional transportation authorities;
- Transit agencies;
- Natural resource or public land agencies;
 - May include Federal, State, or local public land agencies
- School districts, local education agencies, or schools;
- Tribal governments;
- Nonprofit entity responsible for local transport safety programs;
- Any other local or regional governmental entity with responsibility for oversight of transportation or recreational trails (other than an MPO or a State agency) that the State determines to be eligible...
- RTP set-aside project sponsors determined by States.

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Recreational Trails Program



Recreational Trails Program

- The RTP provides funds to the States to develop and maintain recreational trails for all trail uses.
 - Usually administered through a State resource agency.
 - Only FHWA program to support routine maintenance.
- States solicit and select projects for funding.
- States are encouraged to use <u>Youth Corps</u>.
- Represents a portion of the Federal motor fuel excise tax paid by OHV users (including snowmobilers).





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Recreational Trails Program

Eligible RTP Projects

- Maintain and restore existing trails (and bridges).
- Develop and rehabilitate trailside and trailhead facilities.
- Purchase and lease trail construction and maintenance equipment.
- Construct new trails (limits on Federal lands).
- Acquire easements or property for trails (willing seller only: Condemnation is prohibited).
- Trail assessments for accessibility and maintenance.
- Trail safety and environmental protection education.
- State administrative costs.



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Recreational Trails Program



Project Examples

Recreational Trails Program Database

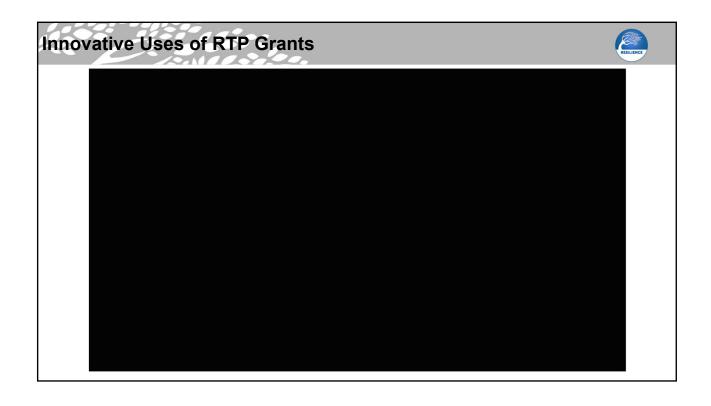
- More than 24,000 project examples
- Searchable by State or project type
- Many examples for you to consider
- See http://recreationaltrailsinfo.org/

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Corps Example: Kartchner Caverns, Ocotillo Trail



All trail work on the Ocotillo trail project was completed with hand tools by the AZCC trail crew and park staff.

Informational kiosks and three benches along the route were also constructed.





Natural Disaster Recovery & Mitigation



Tuckerman Ravine New Hampshire

efforts began years after Tropical Storm Irene damaged four bridges. RTP grant help construct a snowmobile bridge which provides access to skiers, snowshoers and hikers

Project work provides watershed protection; bridge allows passage o river organisms and debris during floods.

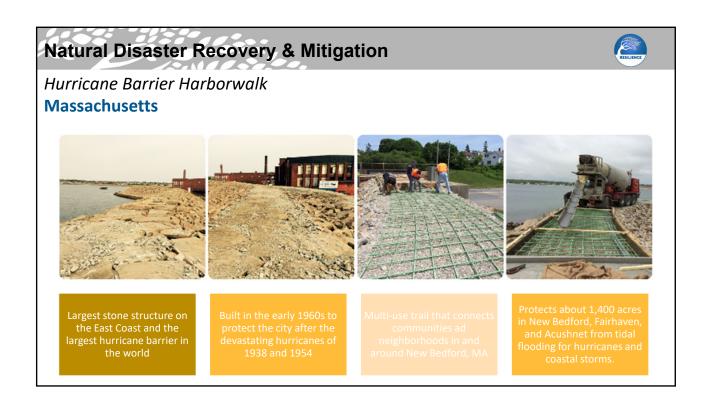




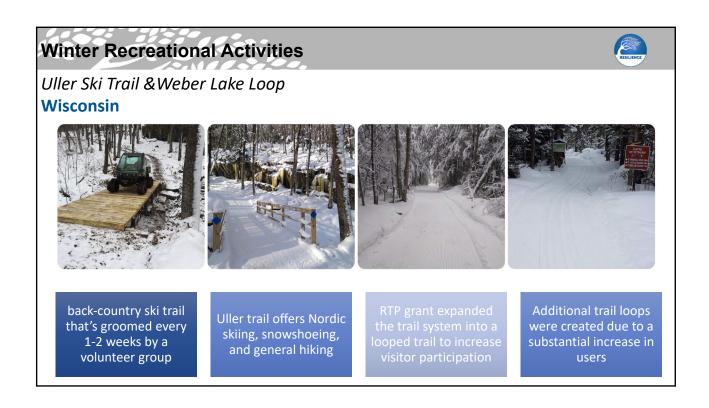




Natural Disaster Recovery Tuckerman Ravine New Hampshire Bridge restoration efforts began years after Tropical Storm Irene damaged four bridges. Project work provides watershed protection; bridge allows passage of river organisms and debris during floods.



Natural Disaster Recovery & Mitigation Hurricane Barrier Harborwalk Massachusetts I To a second of the content of the conte



Winter Recreational Activities



Snowmobile Safety Program **Colorado**



Funding is generated through the sale of snowmobile registrations, out -of- state permits, and RTP funding.

Provide over 3,000 miles of safe and well-maintained winter trails for use by all winter sports enthusiasts The program supports law enforcement, avalanche awareness, and snowmobile Safety Certificates

Grooming and maintenance of trails is provided by 27 non-profit volunteer clubs

Winter Recreational Activities



Arrow Trail System

Colorado



allow users access to the Idlewild Trail System from downtown Winter Park

The Town of Winter Park

Trails were designed to be sustainable and fun, use natural features and take users to several overlooks and historical sites along the way

Access to Tourist Attractions
- The trail takes users to
Corona Pass Road - a
historic railroad route - and
the Continental Divide.



Corps Example: Cataract Bridge



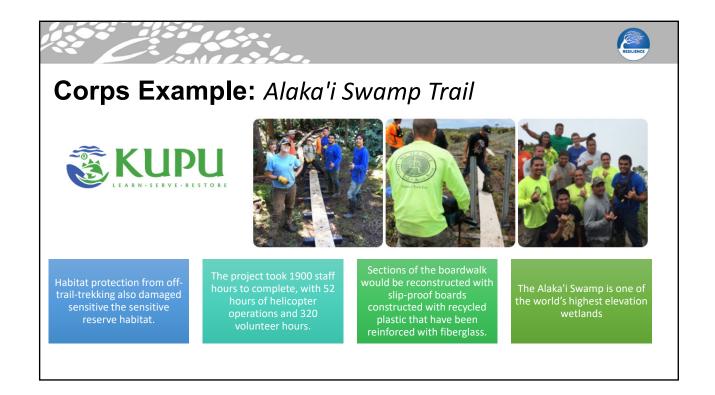
Bridge project took place within the U.S. Forest Service, Dillion Ranger District. Work was performed by a RMYC-CO crew and involved installing a retaining wall, rocks and gravel along the bridge.





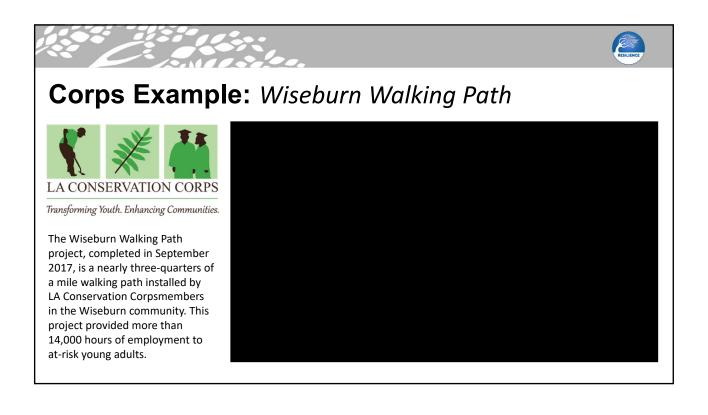


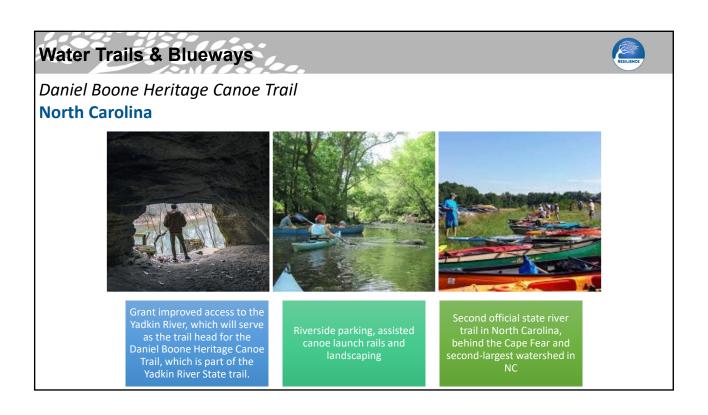












Trail Training

FHWA has agreements to promote trail training.

- American Trails: National Trails Training Partnership
- Tread Lightly! and National Off-Highway Vehicle Conservation Council: OHV User Ethics and OHV Safety and Access Training
- American Council of Snowmobile Associations: Snowmobile Safety and Access Programs
- Bureau of Land Management National Trails
- The Corps Network: Youth Service and Conservation Corps Workforce Development
- Partnership for the National Trails System:
 National Trails System Information, Corridor Protection, and Training

Project Sponsors: Contact your State TA or RTP manager. States: Contact your FHWA Division office.

- Transportation Alternatives: www.fhwa.dot.gov/environment/transportation alternatives/
 - State TA Manager contacts
- RTP: www.fhwa.dot.gov/environment/recreational trails/
 - State RTP Administrator contacts

National TA and RTP oversight: Christopher Douwes, Community Planner Transportation Alternatives Recreational Trails Program <u>christopher.douwes@dot.gov</u> 202-366-5013









Christopher B. Douwes

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We want to hear from you!

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