Accelerating Multi-Modal and Small Project Delivery
ASLA Board of Trustees Meeting
April 25, 2018

U.S. Department of Transportation
Federal Highway Administration
Pedestrian and Bicycle Funding Opportunities
U.S. Department of Transportation Transit, Highway, and Safety Funds
Revised August 12, 2016

This table indicates potential eligibility for pedestrian and bicycle 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 sponsors should fully integrate nonmotorized accommodation into surface transportation projects. Section 1404 of the Fixing 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.

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<th>Activity or Project Type</th>
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<td>Landscaping, streetscaping (pedestrian and/or bicycle route; transit access); related amenities (benches, water fountains); generally as part of a larger project</td>
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Accelerating Multimodal and Small Project Delivery

• Regulatory Reform
• Resources
• Research and Work in progress
• Partnerships
National Context

FHWA

• Execute transportation policies and practices and **deliver more integrated multimodal solutions.**
• Advance policies and practices that support an integrated surface transportation system for **all users** that is efficient, equitable, and safe.

Background

• Safety for all users
• Connected pedestrian and bicycle networks
• Design flexibility
• Accelerated project delivery
• Data to improve the planning process
GOALS

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.
Proposal (pg 24):

Provide Small Highway Projects with Relief for the Same Federal Requirements as Major Projects

- Currently, some smaller scale projects (e.g., those typically eligible for transportation alternatives) funded under the Surface Transportation Block Grant Program must be treated as major highway projects, even if they are not located within the right-of-way of a Federal-aid highway (23 U.S.C. 133).
- This means that smaller, simpler projects that could be implemented and open to the public quickly often are delayed by lengthy procurement procedures and Federal requirements that are more appropriate for larger, more complex projects.
- Amending this requirement for smaller projects that predominantly are outside the Federal-aid highway right-of-way would eliminate Federal procurement requirements for these infrastructure projects. This would allow States to use their own procedures to implement these projects.
Accelerating Project Delivery

On-Ramp to Innovation

EDC is a State-based model that identifies and rapidly deploys proven, yet underutilized innovations to shorten the project delivery process, enhance roadway safety, reduce traffic congestion, and improve environmental sustainability.

Learn more about Every Day Counts >>

Expediting Project Delivery
Self-Assessment Workbook

• Innovation
• Regulatory flexibility
• Risk-based Federal stewardship and oversight
Accelerating Project Delivery

2015 Red Book
Synchronizing Environmental Reviews for Transportation and Other Infrastructure Projects

September 2015
Publication No.
FHWA-HEP-15-047

STIC
State Transportation Innovation Councils

State-Based Innovation Deployment - The STIC Network is about establishing a group of representatives from various levels of the highway community in each state to comprehensively and strategically consider all sources of innovation.
Read more >>

- Saving Lives
- Saving Time
- Saving Money
Excerpt BUILD Solicitation:

- BUILD (3) all real property and right-of-way acquisition will be completed in a timely manner in accordance with 49 CFR part 24, 23 CFR part 710, and other applicable legal requirements or a statement that no acquisition is necessary.
Key Focus of Handbook:

➤ Provide effective strategies for accelerating multimodal infrastructure delivery.

➤ Highlight proven techniques.

➤ Address barriers or delays in project delivery, etc.

➤ Completion date: Mid/Late June
Detailed case studies on streamlining the planning and implementation of bicycle and pedestrian projects

- **PennDOT Connects Initiative**
  - South Street Bridge Project
  - US 422 West Shore Bypass project
- **Connecticut DOT Community Connectivity Program**
  - Road Safety Audits
  - Taking Action to Improve Conditions
Pedestrian and Bicycle Networks

- Provide comfortable and safe conditions walking and bicycling along and across roads.

- Improve access to destinations such as transit stations and schools.

- Include seamless transitions between different facilities.

- Address the needs of the full range of users.

- Address barriers.

- Be transportation focused.

- Acknowledge surrounding land uses.
Recent FHWA Pedestrian and Bicycle Resources

Available at www.fhwa.dot.gov/environment/bicycle_pedestrian
Recently Released

Manual on Pedestrian and Bicycle Connections to Transit
AUGUST 2017
FTA Report No. 0-115
Federal Transit Administration

PREPARED BY
Transportation Research & Education Center (TREC)
Portland State University

ACCESSIBLE SHARED STREETS
NOTABLE PRACTICES AND CONSIDERATIONS FOR ACCOMMODATING PEDESTRIANS WITH VISION DISABILITIES

Coming Soon!

National Park Service
Active Transportation Guidebook
A Resource on Supporting Walking and Bicycling for National Parks and their Partners
Decision Support Tools and Capacity Building

http://pedbikesafe.org/PEDSAFE/

http://pedbikesafe.org/BIKESAFE/
USLIMITS2

A TOOL TO AID PRACTITIONERS IN DETERMINING APPROPRIATE SPEED LIMIT RECOMMENDATIONS

USLIMITS is a web-based tool designed to help practitioners set reasonable, safe, and consistent speed limits for specific segments of roads. USLIMITS is applicable to all types of roads ranging from rural local roads and residential streets to urban freeways.

User-friendly, logical, and objective, USLIMITS2 is of particular benefit to local communities and agencies without ready access to engineers experienced in conducting speed studies for setting appropriate speed limits. For experienced engineers, USLIMITS2 can provide an objective second opinion and increase confidence in speed limit setting decisions.

NEW PROJECT

Before beginning a new project, it is recommended that you read through the User Guide and be prepared to enter the necessary data (e.g., 50th and 85th percentile speed, roadway characteristics, and crash history).

www.safety.fhwa.dot.gov/uslimits/
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.
Bridges and Tunnels: Essential Links for Networks

- Reconnect communities.
- Tunnels and underpasses.
Community Connections is about using transportation innovations, partnerships, and technologies to bring communities together and to connect people to services and opportunities.

Under the Every Day Counts program, FHWA is supporting urban, suburban, and rural communities that have been divided by past transportation investments and are currently experiencing gaps in existing transportation infrastructure and services.

The Every Day Counts initiative features a toolbox with analytical tools, public involvement strategies, planning and design techniques, and operational improvements.

The toolkit promotes performance management approaches for planning, project development, and design that support safety, connectivity, health, and community revitalization.
What to expect in 2018

• Technical assistance from SMEs with FHWA’s Headquarters Office and Resource Center

• Peer learning through FHWA’s Transportation Planning Capacity Building Program

• Community Connections handbook and case studies

• New Community Connections website - https://www.fhwa.dot.gov/planning/community_connections

• Informational four-part webinar series (July-Oct)

For more information

• Corbin Davis, 202-366-6072, Corbin.Davis@dot.gov
FHWA identified, evaluated, and categorized these green infrastructure case studies into several project types, including:

- **Mitigating Flood Risk**
- **Public-Private Partnerships**
- **Multimodal Network Connectivity**
- **State and Locally Driven Projects**

This report is intended to provide information to encourage agencies interested in making improvements to their pedestrian and bicycle networks that also provide green infrastructure and resiliency benefits. The discussion of storm water and mobility benefits will help communities better understand the variety of goals and outcomes they can achieve through their projects.

Keys to connected ped/bike networks

Study identifies key principles of ped/bike networks and highlights strategies used by communities across the U.S. to enhance nonmotorized travel.

FHWA debunks misconceptions

The Bicycle and Pedestrian Funding.
FHWA GUIDEBOOK FOR
MEASURING MULTIMODAL NETWORK CONNECTIVITY

U.S. Department of Transportation
Federal Highway Administration

FEBRUARY 2018
Overview

1. Introduction
2. Connectivity Analysis Process
3. Fact Sheets on Connectivity Analysis Methods and Measures
4. Lessons Learned
5. Bibliography

Appendix: Case Studies

Analysis Methods

- Network Completeness
- Network Density
- Route Directness
- Access to Destinations
- Network Quality

Case Studies

- Atlanta Regional Commission
- City of Baltimore
- CALTRANS - District Four
- City of Fort Collins
- Portland Metro
MEASURING MULTIMODAL NETWORK CONNECTIVITY POSITIONS A TRANSPORTATION AGENCY TO:

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

• Scalable Risk Assessment Methodology
  – How to measure exposure to risk for walking and biking?
• Bike Facility Selection Guide
  – How to identify the most appropriate bike facilities?
• Pedestrian and Bicycle Transportation Pooled Fund
• Safe Transportation for Every Pedestrian (STEP-EDC-4)
• Automation – AV/CV, SUM
Partnering Themes

Local, Regional, State, and National Events/Outreach

- Good Sketch Plans – considerate of ROW needs
- State of practice - integrating new resources
- Design Flexibility
- Accelerating Project Delivery - emphasis areas
- Urban vs. Rural Needs
- Stand Alone, Bundled, or Major Project Scoping
- Human and Natural Environment Impacts - Benefits/Mitigation
- Value Capture/Public-Private Financing

- Committee on Data Management and Analytics
- Committee on Environmental and Sustainability
- Committee on Funding and Finance
- Committee on Planning
- Council on Active Transportation
- Special Committee on Freight
Selected Contacts

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FHWA Division Office Pedestrian and Bicycle Points of Contact
www.fhwa.dot.gov/environment/bicycle_pedestrian/state_fhwa_contacts

State DOT Pedestrian and Bicycle Coordinators
https://www.fhwa.dot.gov/environment/bicycle_pedestrian/state_contacts

For More Information:
www.fhwa.dot.gov/environment/bicycle_pedestrian