



FRI-C09: Accelerating Multimodal Projects through Collaborative Design: Insights into Working with Transportation Agencies

Friday, October 19, 2018, 1:30 PM - 3:00 PM
Room: 126-AB

Landscape architects working with transportation agencies face the challenge of designing context sensitive multimodal transportation facilities while accelerating project delivery. This session examines perspectives from State departments of transportation, the Federal Highway Administration, and landscape architects as they work together to find ways to implement projects faster.

Learning Objectives

1. Learn the constraints faced by State departments of transportation in implementing multimodal projects.
2. Understand the challenges and successes of collaborative and context sensitive design.
3. Learn strategies and design flexibilities related to multimodal facilities.
4. Examine collaborative approaches to accelerating multimodal project delivery.
5. Identify best practices and resources to accelerate project delivery.



Introduction: Accelerating Multimodal Projects



Shari Schaftlein speaks about the importance of ensuring mobility and accessibility in both urban and rural areas for all users. She describes the Federal context for streamlining infrastructure, for delivering projects more quickly to provide timely benefits, and for leveraging public private partnerships and stimulating economic growth.

State Department of Transportation Perspectives

Leslie S. Richards speaks about the importance of collaboration with communities early in project planning. PennDOT has implemented a new approach that expands the department's requirements for engaging local and planning partners by requiring collaboration with stakeholders before project scopes are developed. PennDOT Connects aims to transform project development by ensuring that community collaboration happens early, and that each project is considered in a holistic way for opportunities to improve safety, mobility, access, and environmental outcomes for all modes and local contexts.



Multimodal Strategies and Design Flexibilities

Gary Jensen speaks about Federal resources and tools to support multimodal network connectivity, design flexibility, facility types and design resources, and safety.

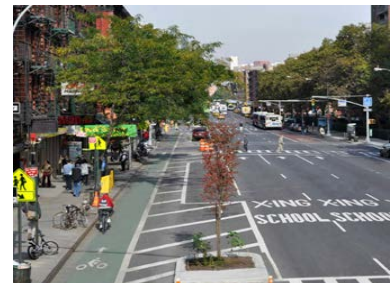
Landscape Design Perspectives

Jennifer Toole speaks about planning for functional landscape infrastructure, design flexibility, and addressing context and constraints. She discusses the opportunities and challenges in meeting the needs of multiple users (pedestrians, bicyclists, transit vehicles, cars, scooters, etc) in transportation corridors, and discusses some of the solutions that are coming in the upcoming AASHTO Bike Guide, due for publication next year.



Moderated Discussion

Interactive discussion on strategies for improving collaboration and accelerating projects at the national, regional, and project level.



Presenters

Shari Schafflein

Director, Office of Human Environment, Federal Highway Administration

Shari Schafflein has 32 years of public service spanning tribal, state, and federal governments and nonprofit organizations. She has held leadership positions in the FHWA Office of Planning, Environment, and Realty for 14 years. Currently she supervises three teams with responsibilities for oversight of the Office research program; advancing multimodal connectivity by addressing bicycle and pedestrian networks, environmental justice, economic development, and accelerating project delivery through application of context sensitive design principals. The Office is responsible for implementing the Transportation Alternatives Program and administering procedures and standards for modification of the National Highway System and the Strategic Highway Network.

Leslie S. Richards

Secretary, Pennsylvania Department of Transportation

Pennsylvania Department of Transportation Secretary Leslie S. Richards has extensive leadership experience in the management of transportation projects both in her private sector work in the planning and engineering fields over the past two decades, as well as in her work in local government. Her private and public sector backgrounds give her a unique perspective on understanding stakeholder issues, and on the importance of bringing projects to completion on time and on budget. Secretary Richards is recognized in the public and private sectors for her ability to build consensus in order to find solutions to problems.

Gary Jensen

Livability Team Leader, Office of Human Environment, Federal Highway Administration

Gary Jensen is a Team Leader in the Federal Highway Administration's Office of Human Environment, leading multimodal, bicycle, and pedestrian programs and activities that improve safety, connectivity, accessibility, and convenience of walking and bicycling for all users. This includes increasing transportation choices for individuals, expanding access to essential services for people in communities across the United States, improving connectivity for citizens to jobs, health care, and other critical destinations, particularly for rural communities, and otherwise addressing quality of life. He has been with the Federal Highway Administration for 24 years, and has been involved in various transportation planning and environmental programs, both at headquarters and in the field.

Jennifer Toole, AICP, ASLA

President, Toole Design Group

Jennifer Toole is the founder and President of Toole Design Group. She has over 20 years of experience planning and designing multimodal transportation systems. As a certified planner with a degree in Landscape Architecture, Jennifer has a strong background in urban design and a keen understanding of how to design streets that work for all users. She has been involved in numerous projects of national significance for the Federal Highway Administration, the American Association of State Highway and Transportation Officials, and the National Highway Traffic Safety Administration, and was awarded the 2008 Professional of the Year Award – Private Sector by the Association of Pedestrian and Bicycle Professionals.

FHWA Multimodal Resources

Accessible Shared Streets: Notable Practices and Considerations for Accommodating Pedestrians with Vision Disabilities

This document reviews notable practices and considerations for accommodating pedestrians with vision disabilities on shared streets. It focuses on streets where pedestrians, bicyclists, and motor vehicles are intended to mix in the same space.

www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/accessible_shared_streets/

How to Develop a Pedestrian and Bicycle Safety Action Plan

This guide presents an overview and framework to develop and implement a safety action plan to improve conditions for bicycling and walking.

safety.fhwa.dot.gov/ped_bike/ped_focus/docs/fhwasa17050.pdf

FHWA Guidebook on Measuring Multimodal Network Connectivity

This resource focuses on multimodal network connectivity and provides information for incorporating connectivity measures into the transportation planning process.

www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/multimodal_connectivity

City of Richmond: Bicycle and Pedestrian Network Improvement Study

This report provides a detailed set of infrastructure improvement recommendations to enhance bicycle and pedestrian access to and from seven future Bus Rapid Transit stations along a 7.6-mile corridor in Richmond, Virginia.

www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/richmond_nis/

Incorporating Qualitative Data in the Planning Process: Improving Project Delivery and Outcomes

This report highlights emerging tools, techniques, and resources for gathering qualitative public and stakeholder input to inform the planning process, improve project outcomes, and contribute to streamlining project delivery.

www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/qualitative_data/

Small Town and Rural Multimodal Networks

The Small Town and Rural Multimodal Networks guide is a design resource and idea book to help small towns and rural communities support safe, accessible, comfortable, and active travel for people of all ages and abilities.

www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/small_towns/

Noteworthy Local Policies That Support Safe and Complete Pedestrian and Bicycle Networks

This report provides local and State agencies with tools to develop policies that support the development of safe and complete bicycle and pedestrian networks for users of all ages and abilities.

safety.fhwa.dot.gov/ped_bike/tools_solve/docs/fhwasa17006-Final.pdf

Achieving Multimodal Networks: Applying Design Flexibility and Reducing Conflicts

This resource highlights ways to apply design flexibility, while focusing on reducing multimodal conflicts and achieving connected networks.

www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/multimodal_networks/

Pursuing Equity in Pedestrian and Bicycle Planning

Equity is an important consideration for transportation officials working on developing connected multimodal systems.

www.fhwa.dot.gov/environment/bicycle_pedestrian/resources/equity_paper/

Incorporating On-Road Bicycle Networks into Resurfacing Projects

This workbook provides recommendations for how roadway agencies can integrate bicycle facilities into their resurfacing program.

www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/resurfacing/

Bike Network Mapping Idea Book

This resource highlights ways that communities have mapped their existing and proposed bicycle networks.

www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/bikemap_book/

Guidebook for Developing Pedestrian and Bicycle Performance Measures

This guidebook is intended to help communities develop performance measures that can fully integrate pedestrian and bicycle planning in ongoing performance management activities.

www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/performance_measures_guidebook/

For additional resources and information, please visit:

- **FHWA Bicycle and Pedestrian Program** - www.fhwa.dot.gov/environment/bicycle_pedestrian/
- **FHWA Pedestrian & Bicycle Safety** - safety.fhwa.dot.gov/ped_bike/
- **Pedestrian & Bicycle Information Center** - www.pedbikeinfo.org/
- **FHWA Livability** - www.fhwa.dot.gov/livability/

FHWA's Office of Human Environment releases a biweekly Human Environment Email Digest. This digest shares the latest information from a range of Federal and non-Federal sources, addressing transportation and its relationship to the human environment. Through this information exchange, FHWA hopes to foster dialogue at all levels and continue to further the state of the practice on these important topics in support of accelerated project delivery, technology and design innovation, and community revitalization. To subscribe, please visit:

www.fhwa.dot.gov/livability/he_digest/