

Sustainable Downtown Streetscapes MDC – Downtown Institute

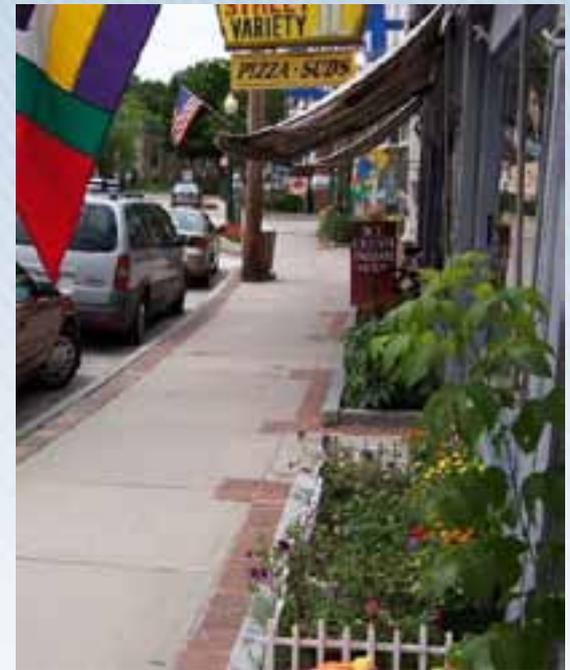
March 15, 2013

Presented by:
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WRIGHT-PIERCE 
Engineering a Better Environment

Intent of this session

- Understand the role of the streetscape in downtown revitalization,
- Understand the value of applying sustainable principles, and
- Review some examples



What is a “streetscape”?

- The visual elements of a street, including the road, adjoining buildings, street furniture, trees and open spaces, etc, that combine to form the street's character.



Role of the Streetscape

- Provides access to and from downtown buildings;
- Provides parking;
- Social venue;
- Exercise opportunity;
- Aesthetic feature;
- “The glue that holds the downtown together”



MDC Principles for Sustainability

1. Quality Design
2. Social Interactions
3. Energy Efficiency
4. Healthy Communities



Quality Design

Consider:

- Intended Use
- Durability
- Aesthetics
- Safety
- Stormwater
- Maintenance



Social Interactions

- One-on-one
- Groups
- Active
- Passive
- Entertainment
- Food/beverages
- Safety



Energy Efficiency

- Solar Benefits
- Trees/Shade
- Recycling
- Pedestrian Friendliness
- Preservation!



Healthy Communities

- Promote walking
 - § Safe
 - § Clean
 - § Attractive
- ADA Compliance
- Bike Racks?
- Farmers Markets



Opportunities for Collaboration

- Among building owners, tenants, municipal officials, non-profits;
- Among Planners, Architects, and Engineers;
- Among downtown businesses, residents and visitors



MDC Green Downtowns Initiative

WBHC
Western Piedmont Council of Governments

BELFAST

Historic Preservation

Green Building

Energy Efficiency

Water Conservation

Waste Reduction

Transportation

Community Engagement

Green Spaces

Public Art

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THE MAGIC TYPHE **Downtown Belfast**

The 8 Principles of GREEN DOWNTOWNS

Green Building: Encourage the use of green building practices and materials.	Energy Efficiency: Encourage the use of energy-efficient buildings and appliances.
Water Conservation: Encourage the use of water-saving devices and practices.	Waste Reduction: Encourage the use of recycling and composting programs.
Transportation: Encourage the use of public transit, carpooling, and walking/bicycling.	Community Engagement: Encourage the participation of residents and businesses in downtown development.
Green Spaces: Encourage the creation of parks, plazas, and other green spaces.	Public Art: Encourage the installation of public art and murals.

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DAMARISCOTTA

Historic Preservation

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THE 112 & 116 MAIN STREET **Downtown Damariscotta**

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MDC Green Downtowns Initiative

WIRC
Western Piedmont Institute for Research and Consulting

BRUNSWICK

THE 8 PRINCIPLES OF GREEN DOWNTOWNS

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- 1. Green Roofs: Reduce stormwater runoff, improve air quality, and provide habitat for birds and insects.
- 2. Permeable Pavement: Allow rainwater to infiltrate the ground, reducing runoff and recharging groundwater.
- 3. Green Walls: Reduce air pollution, improve air quality, and provide habitat for birds and insects.
- 4. Green Streets: Reduce stormwater runoff, improve air quality, and provide habitat for birds and insects.
- 5. Green Buildings: Reduce energy consumption, improve air quality, and provide habitat for birds and insects.
- 6. Green Parking: Reduce stormwater runoff, improve air quality, and provide habitat for birds and insects.
- 7. Green Landscaping: Reduce stormwater runoff, improve air quality, and provide habitat for birds and insects.
- 8. Green Transportation: Reduce stormwater runoff, improve air quality, and provide habitat for birds and insects.

THE LEADING BANK DOWNTOWN BRUNSWICK

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MADAWASKA

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THE LEADING BANK DOWNTOWN MADAWASKA

Getting there from here:

- Planning
- Funding
- Design
- Construction
- Use / Maintain



Funding:

- CDBG
- MaineDOT
- Project Canopy
- TIF's
- Public/Private



Stormwater:

- Water Quality
- MS4 Program
- CSO's
- Treatment options
- Infiltration



Questions / Discussion

