

GOAL 4: SSA Welcome

Improve the Steamship Authority ferry arrival welcome experience.

3.4

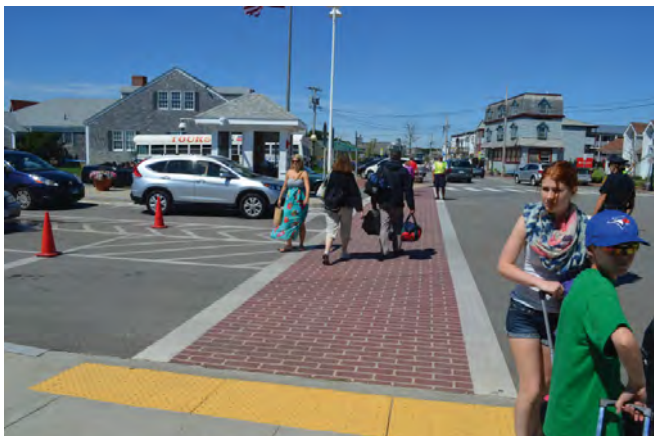
3.4 SSA Welcome Existing Conditions: Photos



The View Coming Off the SSA Ferry



At the End of the SSA Pavilion



The View Looking Across Seaview Avenue

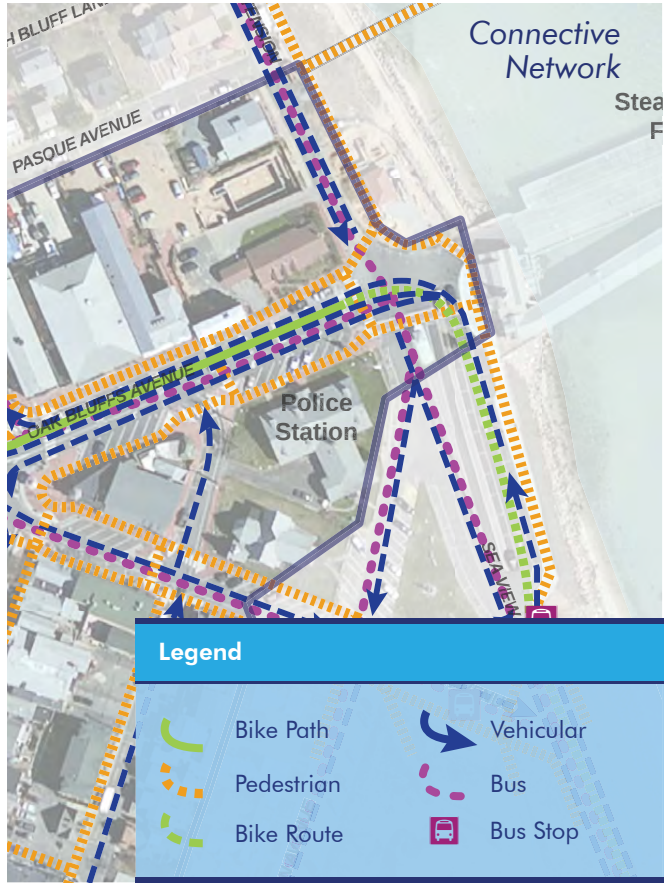
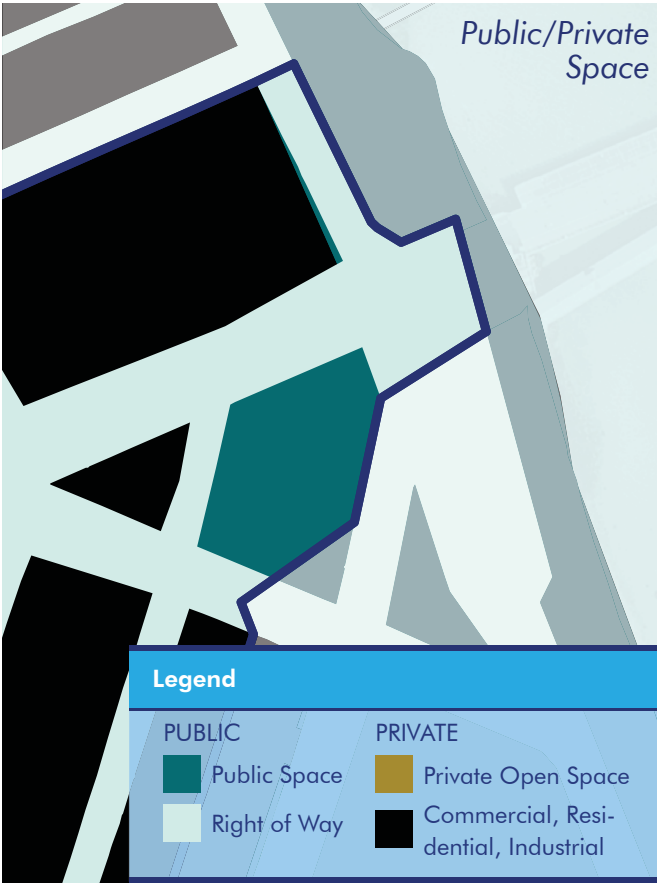


The View Looking Towards the SSA Ticket Building



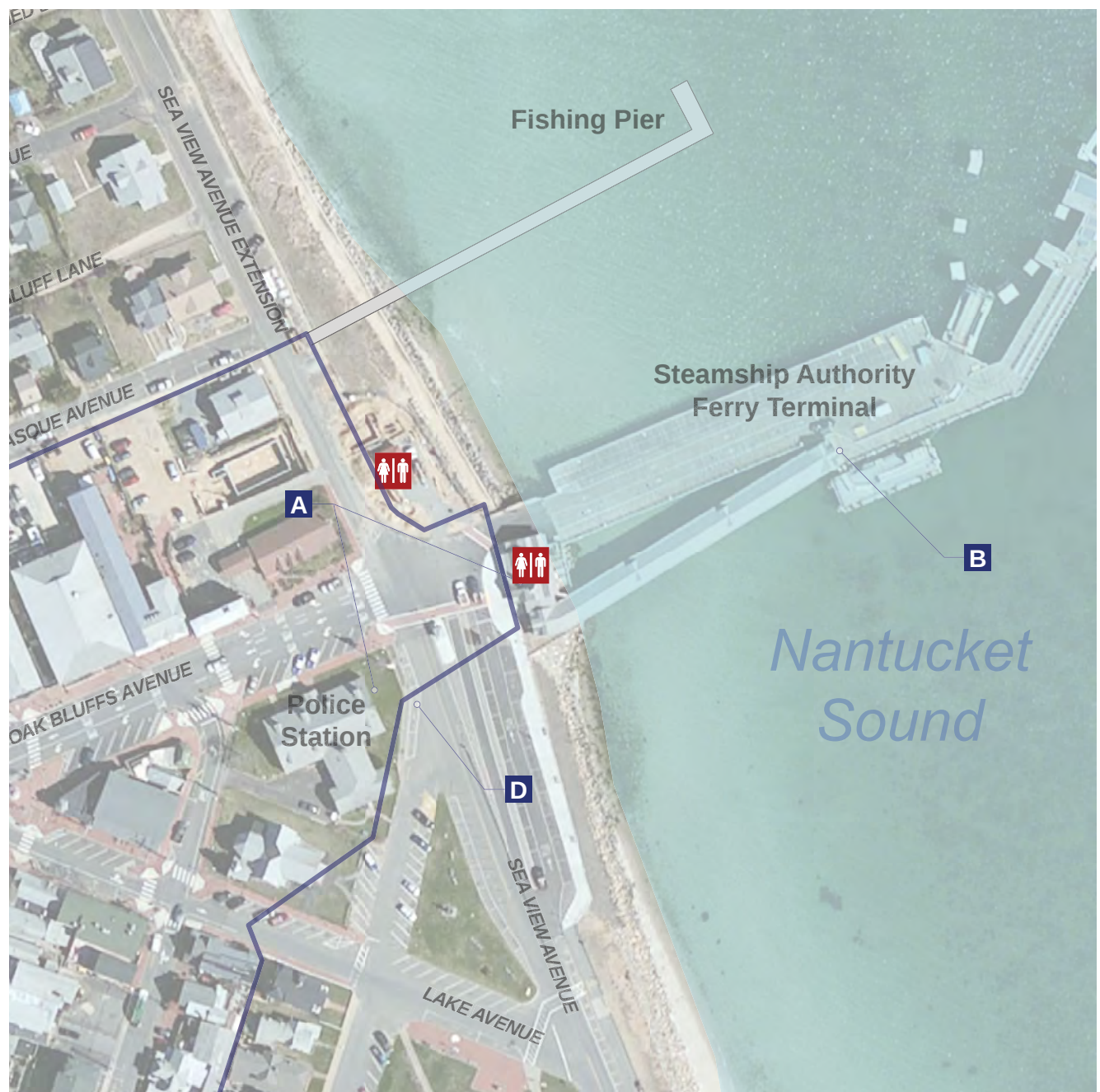
The View of the Intersection of Seaview and Oak Bluffs Avenues

When stepping off the Steamship Authority ferry, it is not immediately obvious one has landed in Oak Bluffs. The intersection of Oak Bluffs Avenue and Sea View Avenue presents a chaotic pedestrian crossing without wayfinding, distinguishing downtown cues, or shade. Rather than a welcome, the excitement of arrival is tempered with a layer of uncertainty and stress, especially for visitors new to town.



Overheard: Excited visitors off the SSA ferry exclaimed “We’re here!Now what?”

3.4 SSA Welcome Existing: Calibrated Goals



Goals

- A. Additional wayfinding at ticket office. A larger wayfinding sign by the police station. Signage for the bathroom inside the SSA.
- B. "Welcome" sign at the SSA entrance for pedestrians exiting boat ramp.
- C. Explore potential rental spaces on the ferries for "literature" to promote Oak Bluffs.
- D. Review bus parking rental spaces. Possibly relocate bus spaces.
- E. Promote extending "fall" seasons including ferry access to Oak Bluffs.
- F. Review embarkation fee allocation from SSA to fund downtown improvements.

Legend

 Restrooms



Wayfinding would be added in strategic locations around the intersection and at the front of the SSA pavillion and entrance to the ferry. A gateway/ landmark element and information kiosk positioned in a new pocket plaza adjacent to the police station draws pedestrians coming off the ferry who see it from across the street. Benches, shade and some landscaping in the plaza makes it a comfortable place to stop and figure out directions and become oriented. The element is visible along Sea View as well as Oak Bluffs Ave.

Legend

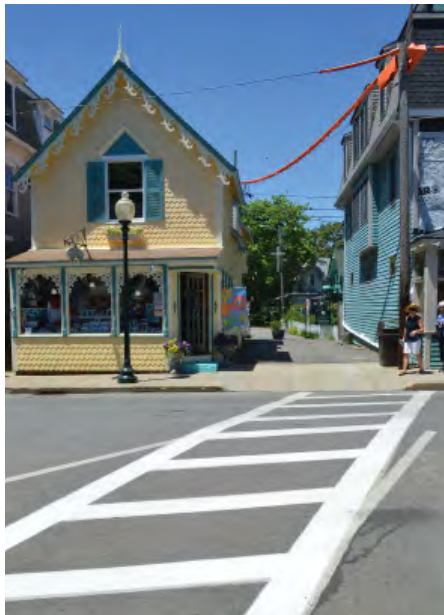
Wayfinding:		Bike Racks
		Restrooms
		Information Kiosk/Map
		Pedestrian Direction
		Vehicle Direction

GOAL 5: Streetscape Materials

Recommend consistent streetscape materials, plantings, and furnishings to make the downtown more inviting and true to Oak Bluffs unique character.

3.5

3.5 Streetscape Materials *Existing Conditions: Photos*



Crosswalk across Circuit Avenue



Concrete sidewalk on Circuit Avenue



Brick sidewalk on Circuit Avenue



Lack of crosswalk on Kennebec avenue



Trash cans on Kennebec Avenue



New bench at fishing pier off Seaview Avenue



Crosswalk at SSA ticket office

Streetscapes are one of the most important and highly used spaces. A true complete street design takes into account visual aspects as much as all of the other key features. Streetscapes are unified by proper material selection, choosing consistent and durable products will stand the test of time while also holding a sense of place.

Goals

- A. Potential material changes at the intersection of Circuit Avenue, the entrance to Healey way and the entrance to Ocean Park. Potential speed table on Circuit Avenue at the entrance to Healey way. Materials to highlight key areas.
- B. Explore opportunities to increase street trees and planting areas.
- C. Explore material changes to Healey square. Potential arch, pergola or structure.

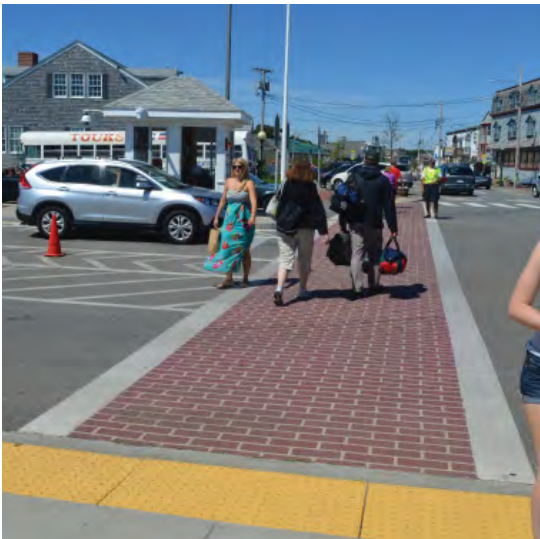
Hardscape Materials: Brick



Brick sidewalk with granite detailing between Oak Bluffs and Lake Avenues



Brick sidewalk along Oak Bluffs Avenue



Imprinted brick crosswalk across Seaview Avenue



Brick crosswalk

Hardscape choices help create a visual system that indicates safe pedestrian, bicyclist and vehicular routes. In pedestrian areas a consistent pattern and type of material directs people along the safest path and signals drivers to slow down. Connecting the brick sidewalks that already exist in some areas throughout the target area equalize the aesthetics of the pedestrian network.

Crosswalks should be made of a consistent material and share the brick paving pattern that makes it clear to pedestrians, bicyclists and vehicles that it is a pedestrian crossing. The faux-brick imprinted asphalt that is used for some of the crosswalks in Oak Bluffs now could be used.

3.5 Streetscape Materials *Proposed*

Hardscape Materials: Brick Alternatives



Porous Pavers along sidewalk



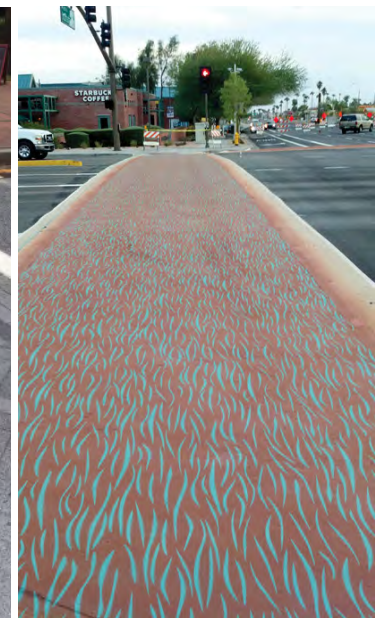
Porous Pavers in a parking lot



Paver strip in front of crosswalk



Gray brick-like paver



Custom painted crosswalk

A unique paver shape and color used for the shared streets and plazas define the edges of those spaces and indicate that they are special areas. Though they should stand out as different than the brick, a shared pattern, or shape can be utilized to reinforce them as pedestrian areas.

A strip of pavers on the edges of crosswalks visually and physically reinforces the need to slow down by adding a texture to the road. Painting key gateway crosswalks with memorable designs and colors to act as entrances into Oak Bluffs define that particular node or area of town.

Benches



Curved wooden bench



Wood and metal city bench



Ornamental wood and metal bench



Wavy benches outside Harvard Science Center

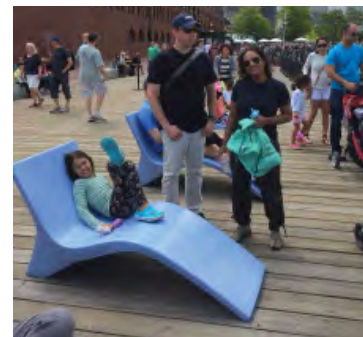


Stone seats integrated into landscape at Gantry Plaza State Park

Seating around Oak Bluffs should be comfortable and accommodate various types of needs and seating arrangements. A standard bench for downtown is a simple wood and metal bench with detailing that compliments the architectural details on many of the historic buildings downtown and potentially with nautical theme.

A wavy bench at the base of the street trees along Circuit Ave in areas that either need a bench to shape to the limited area or that have enough area for a longer bench offers visitors a variety of views and ways to sit and could be mirrored in the plazas and at North Bluff Park.

Moveable Furniture



The flexibility of the chairs and tables to be placed in different arrangements increases seating options. A bright color or particular detailing of the chair can be chosen to compliment the unique character of Oak Bluffs.

3.5 Streetscape Materials *Proposed*

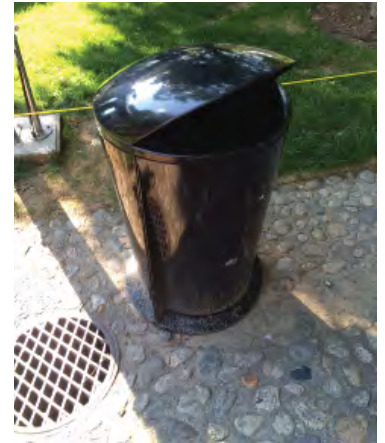
Trash Receptacles



Metal receptacle with detailed perforations



Wood and metal receptacle



Metal receptacle with small "fins"

A standard design for a trash receptacle for Oak Bluffs shares characteristics of the other standard street furnishings. A metal or mostly wooden design with detailing that is reminiscent of the local architecture details and has a nautical theme is recommended.



Members of the community clean the sidewalk along the harbor on Lake Avenue

The Clean OB team was an immediate result of the project's public dialogue and visioning process. The need for increased cleanliness and trash pickup Downtown was a priority voiced by the community, and has been a recurring concern for years - "cleaning up all areas of town" was listed in the 1998 "Oak Bluffs Master Plan". A team of volunteers, catalyzed by key members of the Streetscape Committee and organized via newly created social media channels, began meeting to pick up trash along the beach and harbor.

Bike Racks



A simple circular bike rack with a small twist



A custom bike rack in Providence, RI



A "wave" bike rack

Simple bike racks that have the same color or style as other furnishings are recommended. Utilizing the local art community to create custom sculptural bike racks would add a unique element to the Oak Bluffs streetscape.

Street Trees



Honeylocust foliage



Coastal Pitch Pine



Red Oak

Downtown Urban Forest Plan: Trees chosen for the Oak Bluffs streetscape need to be tough, wind, drought and potentially salt tolerant trees. The species should be chosen based on the specific planting location. A list of preferred standards for the downtown should include a selection of native trees that are known to tolerate the local weather as well as sight-lines and tree form, the quality of the shade provided, and year-round interest. Planting different species along the streets will ensure that one species' downfall doesn't result in a barren streetscape. These specifics should be incorporated into an urban forest succession plan for the downtown.

3.5 Streetscape Materials *Existing Lighting*



Acorn street lights along the Harbor



Globe lights by the restrooms on Seaview Avenue



Acorn street light on Circuit Avenue



Bollard on Kennebec Avenue



Acorn street light on Circuit Avenue



Memorial on lamp pole

Several street and open space lighting themes currently exist within the study area, including historic acorn lights along the Harbor and Circuit Avenue and globe lighting on Sea View Avenue and within Ocean Park. Existing lighting is generally pedestrian-scale and aesthetically appropriate to the historic architectural downtown character of Oak Bluffs, but not dark-sky compliant.

Proposed Light Fixture Location Map



- Nautical Waterfront Light
- Nautical Street Light
- Retrofit Existing Acorn Light

Light Fixtures: Nautical



Nautical street light



Nautical waterfront light



Nautical waterfront light in bright color



Alternative Dark-Sky compliant light

In the North Bluff, nautically themed lampposts will line Harbor Way and the North Bluff Park waterfront. The lampposts along the water are a more robust version but still pedestrian scaled. A bright color can help distinguish the Park lighting and be true to Oak Bluffs' unique character. The nautical lights above on the left are not Dark-Sky compliant, however the light on the right is. Both LED and High Pressure Sodium light options are available, however LED lights are more efficient and show colors more accurately.

3.5 Streetscape Materials *Proposed Lighting Style*

Light Fixtures: Existing Acorn



Dark-Sky compliant Acorn light



LED Retrofit to existing Acorn light



Banner on lamppost

The existing historical Acorn Globe lights along Circuit Ave can potentially be retrofitted to meet Dark-Sky guidelines to reduce glare and uplighting. They will also be retrofitted with more efficient LED bulbs and lamp post banner brackets will be attached to the poles. Additional lights will be added after a photometric plan is created in order to properly determine additional lighting needs.

Banner holders will be part of the streetscape standards and can be installed on all new and existing lampposts. Banners will create space to advertise upcoming events and will help define downtown Oak Bluffs.

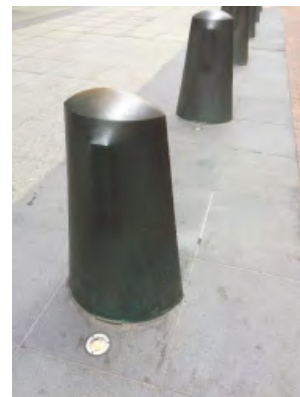
Bollards



Nautical bollard with light



Alternative nautical bollard



Custom bollard

Bollards with lighting along Harbor Way are consistent with the more contemporary nautically themed light fixtures. Circuit Avenue bollards are a more traditional style that could be painted by local artists.

GOAL 6: Green Streets

Investigate opportunities to incorporate “Green Street” principles.

3.6

3.6 Green Streets Proposed





Porous Pavement at the Buzzards Bay ACOE parking lot



Porous Pavers



Planter Box Rain Garden



Tree Filter Pits in Milton, MA



Bioswale



Bioretention Area

GOAL 7: Universal Design

Incorporate universal design principles to accommodate people of all abilities.

3.7

3.7 Universal Design *Existing: Photos*



Step up into store at the intersection of Circuit Avenue and Healey Square



Step at an angle on Circuit Avenue



Sidewalk with ramp on Circuit Avenue



Step up into businesses on Circuit Avenue



Short ramp into restaurant on Circuit Avenue

The slope on Circuit Avenue as well as the existing floor elevations of the businesses create challenges for making the stores universally accessible. In sections along the corridor where there is a wide sidewalk or the building or entrance is set back, there is room for ramps.



Moveable ramp

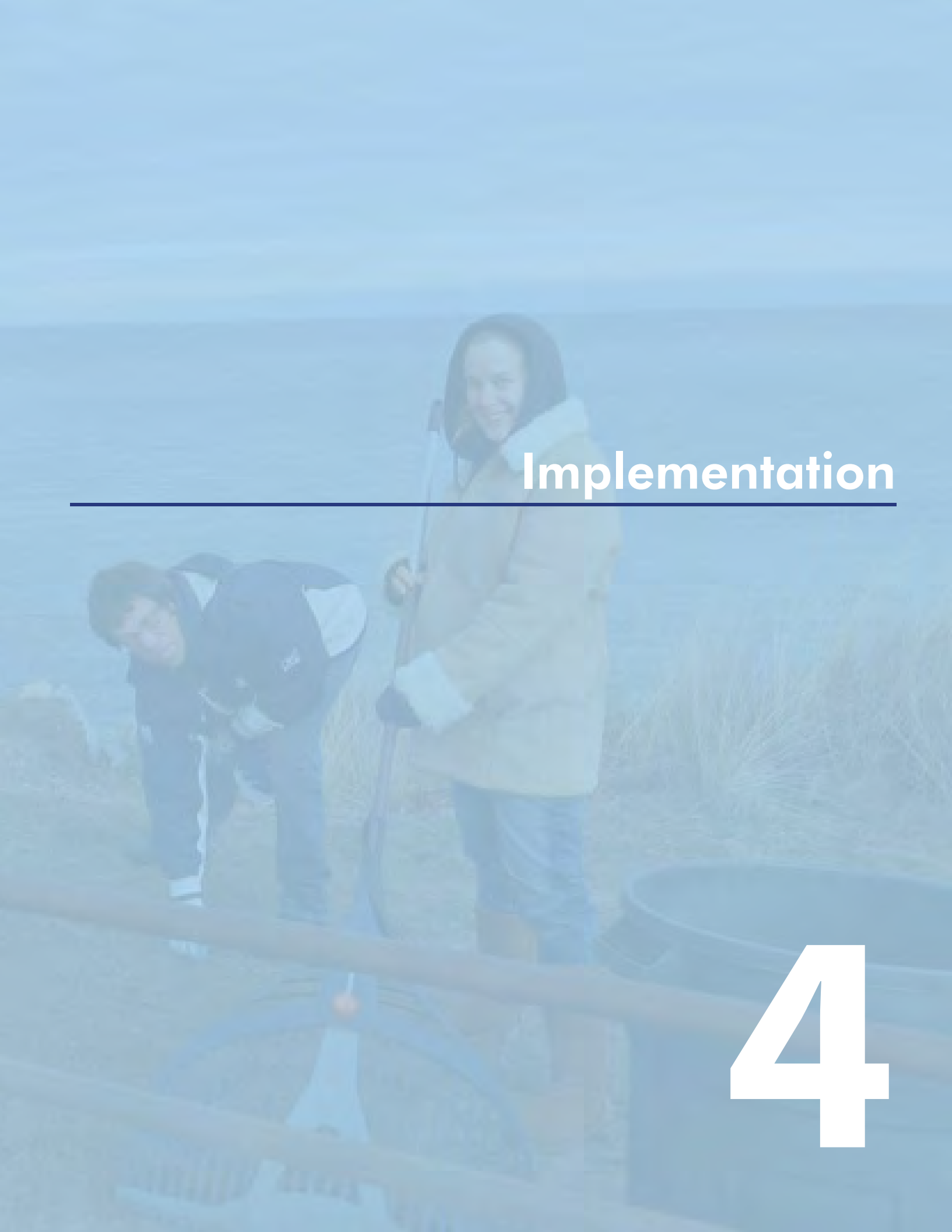


A small lift onto a bus rapid transit platform



Shared Streets can raise the level of the street so it is flush with the sidewalk making access to businesses more accessible

A set of standardized strategies for universal access can be customized for the individual businesses. Strategies vary from large scale construction solutions to small interventions. They include: expanding sidewalks to create more room for ramps, providing Oak Bluffs' standard moveable ramps, building small lifts, and increasing the height of the road to match the sidewalk and potentially some businesses to create an expanded area without curbs or steps.

A background photograph of two people on a beach. A woman in a light-colored jacket stands on the right, smiling, while a man in a dark jacket is bent over on the left. The entire image is covered with a semi-transparent blue overlay.

Implementation

4

4 Implementation Strategies

The implementation plan is a living document managed by the Downtown Committee on behalf of the community – flexible but always true to the seven overall consensus goals set by the community.

Implementation

Upon completion of the Oak Bluffs Downtown Streetscape Master Plan, the most valuable takeaways for the community moving forward are:

1. The Community Dialogue: Continued engagement of key stakeholders and the general public in an open and honest dialogue about the future of Downtown.
2. The Implementation Plan: A master plan that can be funded and implemented in pieces, sustaining positive momentum over a long period of time.

It is time to transfer responsibility for championing and sustaining community dialogue to a longer-term standing Downtown Committee underneath the Planning Board. The implementation plan is the Downtown Committee's playbook – a roadmap identifying the elements that comprise the long-term master plan vision along with their relative complexity, time frame, and approximate cost. The downtown streetscape project's commitment to community engagement and a collaborative process from the beginning resulted in a consensus vision that establishes the authority of this roadmap moving forward.

The downtown streetscape master plan is conceptual in nature, intended to define a consensus community vision, identify overall plan elements, and set the stage for future design development and funding acquisition. Any long-range plan is subject to change over time, adapting to availability of funding sources, responding to market forces, adjusting to evolving community needs, and taking advantage of presently unforeseen opportunities. This implementation plan is a snapshot in time, knowing adjustment and change is inevitable. The implementation plan is a living document, managed by the Downtown Committee on behalf of the community – flexible but always true to the seven overall consensus goals set by the community.

Get Started & Funding Opportunities

The implementation matrix organizes each of the seven calibrated goals into manageable projects with a series of recommended steps. The "Overall" matrix is the 2015 starting point, including immediate steps to endorse the plan, activate a standing Downtown Committee, and address low hanging fruit such as an employee parking awareness drive, purchase of additional trash receptacles, and support of the Clean OB Team. "Get started" simple pilot projects and low-cost momentum builders can then be planned for the fall of 2015, sited and designed true to the spirit of longer-term master plan concepts. A temporary parklet at Healey Square in conjunction with shoulder season events and programming was identified as a positive first step.

Wayfinding was consistently and enthusiastically embraced as an immediate objective by all stakeholder groups including business owners, visitors, and residents. A typical phased wayfinding implementation process is included with the wayfinding project objectives in the Appendix.

It is recommended that the Downtown Committee designate a Wayfinding Subcommittee to lead the next phase of wayfinding design development, evolving the master plan identity and concepts towards a constructible design.

Preliminary steps towards more complex improvements and interventions must begin with allocation of funds to produce shovel-ready design documents. The Town has allocated Community Development Block Grant funding for the fall of 2015 to advance design development of selected projects for this purpose. The new Downtown Committee's next challenge is to oversee prioritization and selection of the appropriate project for initial focus. Based on stakeholder input, it is expected that the Harbor Way vision, Healey Square/Circuit Avenue improvements, or North Bluff Park offer the most opportunity in the near term.

OVERALL

PROJECT	TIMEFRAME	COMPLEXITY	COST	NOTES
Designate a Champion & Continue Momentum	Now!	Low	None	Streetscape Committee & Selectmen - regular meetings & events
Endorse the Plan	Now!	Low	None	PB, ZBA, Selectmen, Commissions/Committees, other stakeholders
Designate OBdowntown.com Webmaster	Now!	Low	None	Include social media outreach via FB & twitter, coordinate w/OBA
Prioritize Construction Projects	Now!	Medium	None	Line up for design/engineering funding
Focus the Downtown Arts Community	Now!	Low	None	Coordinate with MVCMA, OBA, Theater Foundation
Create Employee Parking Awareness Program	Now!	Medium	\$	Downtown business owners
Continue the Clean OB Team	Now!	Medium	\$	Streetscape committee or downtown improvement district committee
Plan a Pilot "Get Started" Temporary Project	Now!	Low	\$	Temporary parklets to test proposed bumpout/parklet locations
Complete Park & Ride Study & Finalize Location	Short	Low	\$\$\$\$	More study & public outreach needed
Wayfinding Design	Short	Low	\$\$\$	Wayfinding subcommittee
Purchase Movable Chairs & Tables	Short	Medium	\$\$	Allows for flexible use of open space & changing needs over time
Wayfinding Implementation	Medium	Medium	\$\$\$\$	Could be phased, include ferry arrivals
Prepare a Downtown Housing Analysis	Medium		\$\$	Affordable housing, seasonal housing, "top of shop", zoning review
Create a Downtown Improvement District	Medium		\$\$\$	Demonstrate value, utilize parking revenue & public/private funding
Install Parking Pay Stations in Key Locations	Medium		\$\$\$	Direct funding to downtown improvements/maintenance, accommodate residents & convenience businesses

\$	Under \$5,000
\$\$	\$5,000 - \$20,000
\$\$\$	\$20,000 - \$50,000
\$\$\$\$	\$50,000 - \$100,000
\$\$\$\$	\$100,000 and over

4 Implementation Strategies

GOAL 1: Connections

PROJECT	TIME FRAME	COMPLEXITY	COST	NOTES
Art Installations	Now!	Low	\$	Temporary or permanent
Painted Crosswalks	Now!	Low	\$	
Temporary Wayfinding	Now!	Low	\$	
Bicycle Racks	Now!	Low	\$\$	Throughout study area, use creative design/materials.
Pocket Plaza by Public Restrooms on Kennebec - Phase 1	Short	Low	\$\$	Planter boxes and bench.
Gateway Crosswalks	Short	Low	\$\$	
Covered Bus Stops	Short	Low	\$\$	
Close Gaps in Sidewalk Network	Short	Medium	\$\$\$	Coordinate with goal 2-4 projects
Create & Promote Heritage & Fitness Loops	Short	Medium	\$\$	Integrate into new wayfinding system
Enhance MVCMA Entrances	Medium	Medium	\$\$	Partner with MVCMA, consistent materials & subtle wayfinding
Healey Square Enhancements Phase 1	Medium	Medium	\$\$\$	Remove raised planters to expand sightlines
Pocket Plaza by Public Restrooms on Kennebec - Phase 2	Long	Medium	\$\$\$\$	Plaza materials, trees
Ocean Park Bumpout & Sidewalks	Long	Medium	\$\$\$\$	
Healey Square Enhancements Phase 2	Long	Medium	\$ \$ \$ \$ \$	Begin with detailed design/engineering, integrate w/ Circuit Ave.

GOAL 2: North Bluff

PROJECT	TIME FRAME	COMPLEXITY	COST	NOTES
Art Installations	Now!	Low	\$	Temporary or permanent
North Bluff Park: Events & Programming	Now!	Medium	\$\$	
Pilot & Temporary Projects: Park & Harbor Way	Now!	Medium	\$\$\$	
Rename Circuit Avenue Extension	Now!	Low	\$	Throughout study area, use creative design/materials.
Partner w/MVTF to Support Strand Theater	Now!	Low	\$\$	Coordinate planning & events, build outreach
Harbor Way: Shared Street	Medium	High	\$\$\$\$\$	Planter boxes and bench.
North Bluff Park: Ferry Queuing Improvements	Medium	Medium	\$\$\$\$	
North Bluff Park: Bus/Taxi Improvements	Long	High	\$\$\$\$\$	
North Bluff Park: Pickup/Dropoff & Park	Long	High	\$\$\$\$\$	Coordinate with goal 2-4 projects
North Bluff Park: Information Booth	Long	High	\$\$\$\$\$	Integrate into new wayfinding system

\$	Under \$5,000
\$\$	\$5,000 - \$20,000
\$\$\$	\$20,000 - \$50,000
\$\$\$\$	\$50,000 - \$100,000
\$\$\$\$\$	\$100,000 and over

GOAL 3: Circuit / Kennebec

PROJECT	TIME FRAME	COMPLEXITY	COST	NOTES
Art Installations	Now!	Low	\$	Temporary or permanent
Pilot & Temporary Projects -Circuit Ave.	Now!	Low	\$\$	Use temporary parklets to test proposed bumpout/parklet locations
Kennebec: Designate Loading Zones AM Only	Now!	Medium	\$	Work with local businesses on delivery scheduling
Push for Island Theater Improvements	Short	High	\$\$	Start with public art scrim to improve aesthetics
Healey: replace (some) benches w/movable furniture	Short	Low	\$\$	Respect memorial and donated benches
Kennebec: striped buffer or sidewalk on E side	Short	Low	\$\$	Cost depends on paint vs. sidewalk
Kennebec: contiguous sidewalk on W side	Short	Medium	\$\$\$\$	
Build planter benches for Circuit street trees	Short	Low	\$\$	Bump sidewalk out into "extra" angled parking areas
Extend Narragansett sidewalk to Grove	Short	Medium	\$\$	Integrate with Circuit/Kennebec intersection redesign
Upper Circuit: extend sidewalks	Medium	Medium	\$\$\$\$	Contiguous sidewalks both sides
Extend Hartford Park to Circuit Ave.	Medium	Low	\$\$\$	Bumpout, crosswalk, & landscape improvements
Plant new street trees on Circuit Ave	Medium	Low	\$\$	Ensure proper design for longevity & maintenance
Plant new street trees on Kennebec	Medium	Low	\$\$	Ensure proper design for longevity & maintenance
Circuit: bumpout/plaza at Island Theater	Long	Medium	\$\$\$\$	
Circuit: Expand sidewalk width	Long	Medium	\$\$\$\$\$	Finalize design, use feedback from parklet projects, consistent materials
Healey Square: Circuit Ave. plaza	Long	High	\$\$\$\$\$	Begin w/detailed design/engineering, integrate w/Healey Square
Circuit/Kennebec intersection improvements	Long	High	\$\$\$\$\$	Begin w/detailed design/engineering, integrate upper Circuit

GOAL 4: SSA Welome

PROJECT	TIME FRAME	COMPLEXITY	COST	NOTES
Gateway Crosswalk	Short	Low	\$\$	
Promote OB on Ferries	Short	Low	\$\$	
Expand Social Media Reach	Short	Low	\$	
Promote Extension of Ferry Season	Long	Medium	\$\$	Shoulder season events & programming, promote off-island
Review Embarkation Fee Allocation	Medium	Medium	\$	
Police Station Pocket Plaza	Long	Medium	\$\$\$\$	

\$	Under \$5,000
\$\$	\$5,000 - \$20,000
\$\$\$	\$20,000 - \$50,000
\$\$\$\$	\$50,000 - \$100,000
\$\$\$\$\$	\$100,000 and over

4 Implementation Strategies

GOAL 5-7: Materials, Green Streets, & Universal Design

PROJECT	TIMEFRAME	COMPLEXITY	COST	NOTES
Create Streetscape/Landscape Design Guidelines	Now!	Low	\$	Flexible alternatives for public & private improvements w/consistent character
Install Additional Trash Receptacles	Now!	Low	\$\$	Consistent with the materials vision & guidelines
Install New Benches	Short	Low	\$\$	Coordinate w/new parklet/plazas, consistent with materials vision & guidelines
Install Additional Light Fixtures	Short	Low	\$\$	Consistent with the materials vision & guidelines
Prepare an OB Green Plan	Short	Medium	\$\$\$	Identify opportunities for and barriers to green infrastructure downtown
Prepare a Downtown Accessibility Review	Short	Low	\$	Incorporate accessibility into all improvements, identify immediate opportunities
Purchase Movable Chairs & Tables	Short	Low	\$\$	Allows for flexible use of open space & changing needs over time
Create a Tree Planting Fund	Medium	Medium	\$	Partner with OBA, local businesses, foundations
Construct a Demonstration Green Infrastructure Project	Medium	Medium	\$\$\$\$	Bioretention as part of a park/parklet, permeable Harbor Way

\$	Under \$5,000
\$\$	\$5,000 - \$20,000
\$\$\$	\$20,000 - \$50,000
\$\$\$\$	\$50,000 - \$100,000
\$\$\$\$	\$100,000 and over

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Introduction

Page #	Caption	Source
Intro	none	2013. Ralph Stewart. http://www.mvtimes.com/mvt/uploads/2014/02/circuit-avenue-north-view-700x357.jpg

Chapter 3.1

Page #	Caption	Credit
34	Allée of honeylocust provides long sight lines in Fanueil Hall, Boston	Image capture: Sep 2010. 2015 Google.
39	(Second row)	2014. Elijah McKensie. http://brokensidewalk.com/2014/sobros-colorful-crosswalks-could-be-the-first-sign-of-real-change-in-the-neighborhood/
39	(Right third row)	2009. Brooklyn Bridge Pedestrian Improvements. https://segd.org/content/brooklyn-bridge-pedestrian-improvements

Chapter 3.2

Page #	Caption	Credit
49	Waterfront, Plaza, Olympia, WA	2013. Lisa Matt. Coldwell Banker, Evergreen Olympic Realty. http://coldwellbankerolympia.com/wp-content/uploads/2013/07/P1840446.jpg
49	Gantry Plaza State Park, Queens, NY	project credit to Thomas Balsley Associates and photo credit to Betsy Pinover Schiff. Gantry Plaza State Park. http://www.tbany.com/projects_page.php?projectid=127
49	Harvard Science Center Plaza, Cambridge, MA	Tim Hirzel
55	(Right top row)	Mark Wagenbuur. 2012. https://bicycledutch.files.wordpress.com/2012/10/bollards_budapest.jpg
57	Moveable planters on a Shared Street in Cambridge, MA	Tim Hirzel
58	(Bottom)	Stephen Hui. 2014. 99 B-Line: How are those painted queue lines working out for you?. https://scontent.cdninstagram.com/hphotos-xf1/t51.2885-15/e15/10654972_1456529417944525_1429569900_n.jpg
59	(Left top row)	New York City Department of Transportation (DOT). 2015. "Lovely to See You" by Emily Caisip. http://www.nyc.gov/html/dot/html/pedestrians/dotart.shtml#asphalt-art
59	(Right top row)	Margy Wallter for Art on the Streets. 2014. Creative Crosswalks Are Coming!. http://www.cincinnatiimagazine.com/artsmindsblog/creative-crosswalks-are-coming/
59	(Right third row)	Tim Hirzel
59	(bottom)	Tim Hirzel

Chapter 3.3

Page #	Caption	Credit
68	Pocket Plaza in Somerville, MA	Ian Carlson
71	Paint Defining Expanded Sidewalk	http://nacto.org/wp-content/themes/sink_nacto/views/design-guides/retrofit/urban-street-design-guide/images/interim-public-plazas/carousel/green-streets-16.jpg
75	(Left top row)	2013.rodneyparkkickstarter.Tracy Beyl. https://tribwpmt.files.wordpress.com/2013/08/rodneyparkkickstarterv2.jpg
75	(Second row)	Congress for New Urbanism's Central Texas Chapter.2012.PARKlet. http://mediad.publicbroadcasting.net/p/kut/files/styles/medium/public/201209/1-PARKlet.jpg
75	(Left bottom row)	http://nacto.org/wp-content/themes/sink_nacto/views/design-guides/retrofit/urban-street-design-guide/images/interim-public-plazas/carousel/fowler-squares-mall-announcementsign.jpg

Chapter 3.5

Page #	Caption	Credit
87	Brick crosswalk	The Athens Banner-Herald. http://onlineathens.com/sites/default/files/image-cache/full/11272417.jpg
88	Porous Pavers in a parking lot	http://commercial.unilock.com/wp-content/uploads/mp/files/products/images/r-xxl-prim-epa-com-3.jpg
88	Paver strip in front of crosswalk	Maria Saporta of SaportaReport.com.2010.Creating crosswalks that protect pedestrians. http://saportareport.com/creating-crosswalks-that-protect-pedestrians/
88	Custom painted crosswalk	Decorative Paving Solutions, Inc.2011.Decorative Paving Solutions Teams With City of Scottsdale to Develop StreetScapes Crosswalks. http://www.decorativepavingsolutions.com/63/decorative-paving-solutions-teams-with-city-of-scottsdale-to-develop-streetscapes-crosswalks.html
89	Curved wooden bench	Maglin Site Furniture.2015.Project: Ogden Elementary School. http://www.maglin.com/cw-curved.html
89	Wood and metal city bench	Landscape Forms.Plainwell. http://www.landscapeforms.com/en-US/Photos/Pages/ViewPhoto.aspx?img=/SiteCollectionImages/LFI%20Photo%20Gallery/Plainwell/plainwell22_main.jpg&product=Plainwell&alt=Plainwell&download=/SiteCollectionImages/LFI%20Photo%20Gallery/Plainwell/plainwell22_original.zip
89	Ornamental wood and metal bench	Forms+Surfaces.2015.Copenhagen Bench. https://www.forms-surfaces.com/copenhagen-bench
89	Wavy benches outside Harvard Science Center	Tim Hirzel
89	Stone seats integrated into landscape at Gantry Plaza State Park	project credit to Thomas Balsley Associates and photo credit to Betsy Pinover Schiff. Gantry Plaza State Park. http://www.tbany.com/projects_page.php?projectid=127
89	(Left bottom row)	Fermob.1900 Stacking Armchair. http://fermobusa.com/1900-collection/238-armchair
89	(Second to the left)	Adapted from the Urban Street Design Guide, published by Island Press.Interim Public Plazas. http://nacto.org/publication/urban-street-design-guide/interim-design-strategies/interim-public-plazas/

Image Credits

89	(Third to the left)	Fermob.Montmartre Stacking Chair. http://fermobusa.com/montmartre-collection/299-side-chair
90	Metal receptacle with detailed perforations	Forms+Surfaces.2015.Urban Renaissance Receptacle. https://www.forms-surfaces.com/urban-renaissance-receptacle
90	Wood and metal receptacle	Landscape Forms.Plainwell. http://www.landscapeforms.com/en-US/Photos/Pages/ViewPhoto.aspx?img=/SiteCollectionImages/LFI%20Photo%20Gallery/Plainwell/plainwellr3_main.jpg&product=Plainwell&alt=Plainwell&download=/SiteCollectionImages/LFI%20Photo%20Gallery/Plainwell/plainwellr3_original.zip
90	Members of the community clean the sidewalk along the harbor on Lake Avenue	Erik Albert
91	A simple circular bike rack with a twist	Landscape Forms.35: Loop. http://www.landscapeforms.com/en-US/Photos/Pages/35Loop.aspx?product=35%20Loop%20Bike%20Rack
91	A "wave" bike rack	City of Missoula, Montana. https://www.pinterest.com/pin/405816616394007252/
93	Nautical street light	http://www.lightingproducts.philips.com/Documents/webdb2/Lumec/JPG/CAND2.jpg
93	Nautical waterfront light	http://www.lightingproducts.philips.com/Documents/webdb2/Lumec/JPG/CAND1-CN1.jpg
93	Nautical waterfront light in bright color	2012. http://www.lumec.com/blog/wp-content/uploads/2012/04/candela-series-turning-point-philips-lumec_01.jpg
93	Alternative Day-Sky compliant light	http://www.stresscretegroup.com/StressCreteGroup/media/stresscretegroup/products/outdoor_decorative_luminaires/pendants/K800%20Series/K829-HERO.jpg
94	Dark-Sky compliant Acorn light	http://www.lumec.com/blog/wp-content/uploads/2011/10/serenade-dsx.jpg
94	LED Retrofit to existing Acorn light	http://www.lumec.com/images/en/technique/lifeLED/retrofit_kit.jpg
94	Nautical bollard with light	Forms+Surfaces.2015.Triada Bollard. https://www.forms-surfaces.com/triada-bollard
94	Alternative nautical bollard	http://www.lightingproducts.philips.ca/Documents/webdb2/Lumec/JPG/CANDB.jpg

Chapter 3.6

Page #	Caption	Credit
97	Porous Pavement	Hengestone Holdings, Inc.2014.Eco-line. http://commercial.unilock.com/products/plank-pavers/eco-line/?region=5
97	Planter Box Rain Garden	Erin Muir
97	Tree Filter Pits in Milton, MA	Image capture: Sep 2013. 2015 Google.
97	Bioretention Area	Erin Muir

Chapter 3.7

Page #	Caption	Credit
101	Moveable ramp	Mark Boatman, New Mobility.2014.Luke Anderson and StopGap Ramps. http://www.newmobility.com/2014/03/luke-anderson-stopgap-ramps/
101	A small lift onto a bus rapid transit platform	https://pt.wikipedia.org/wiki/Acessibilidade#mediaviewer/Ficheiro:Curitiba_10_2006_05_RIT.jpg
101	Shared Streets can raise the level of the street so it is flush with the sidewalk making access to businesses more accessible	http://nacto.org/wp-content/themes/sink_nacto/views/design-guides/retrofit/urban-street-design-guide/images/residential-shared-street/carousel/victoria-canada.jpg

Chapter 4 Cover

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N/A	N/A	Erik Albert



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