



City of Burlington

Great Streets BTV

City of Burlington
Community & Economic Development Office
Public Works
Planning & Zoning

Suisman Urban Design
DuBois & King
Michael Vergason Landscape Architects
Wagner Hodgson Landscape Architects
Urban Rain Design
Domingo Gonzalez Associates
Third Sector Associates

Great Streets BTV

Main V.1 Sept. 14, 2016

suisman
URBAN DESIGN

Introduction

Vision of Downtown

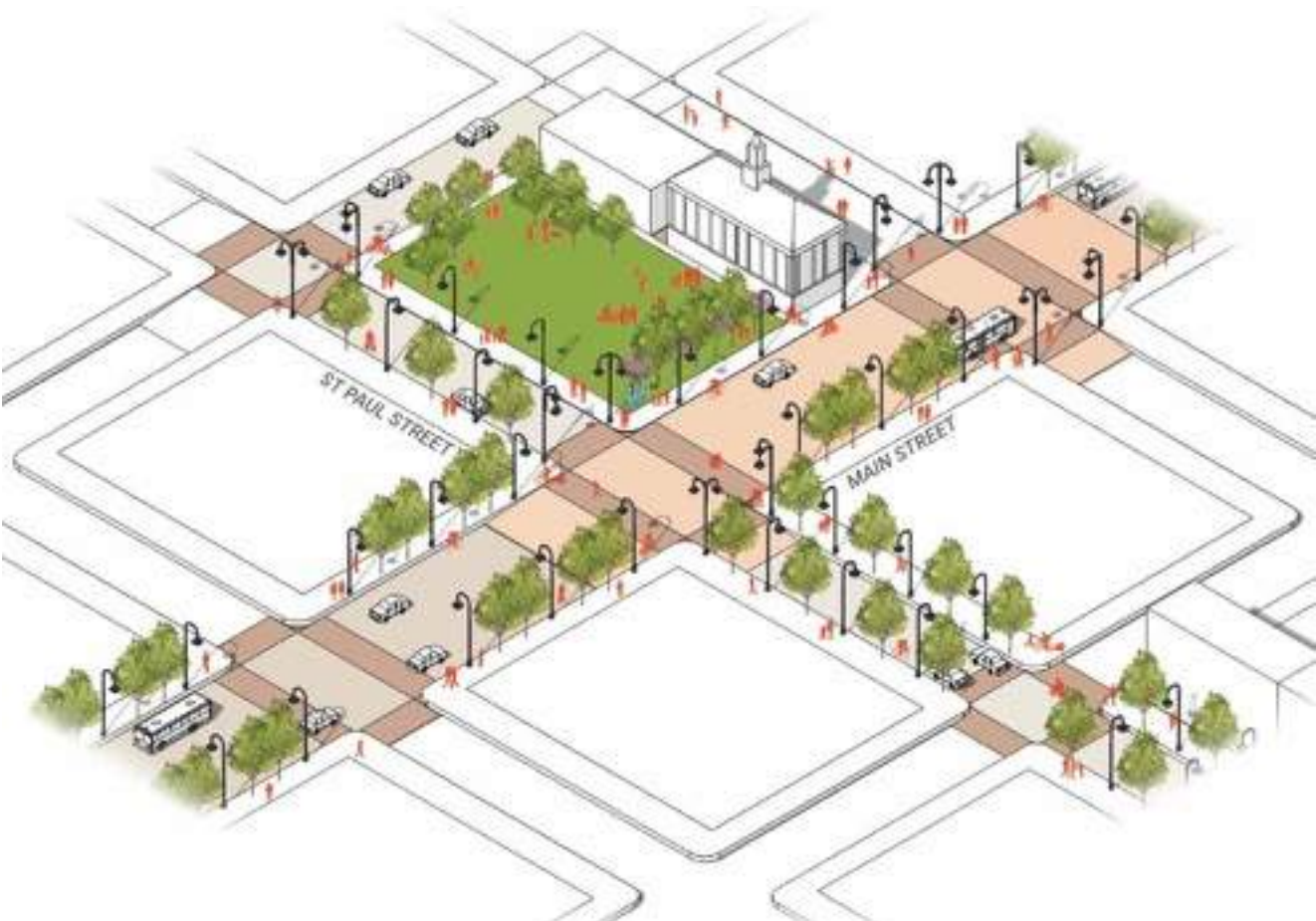
Burlington residents — through input into various plans, studies and other projects — have asked for a walkable, bikeable, sustainable, transit-friendly downtown.



Introduction

Great Streets BTV

In order to meet this vision, the City has launched the "Great Streets Initiative" to implement the recommendations in these plans, and to guide further investment in the downtown public realm for decades to come.



Great Streets BTV

"A downtown that is a vibrant, walkable, and sustainable urban center"
—Residents of Burlington


Join us on September 14 or 15 for a presentation to learn more about the Great Streets Initiative, and to review draft concepts for Main Street and the downtown street design standards!

If you miss the presentation on September 14, we have two encore presentations on September 15!


Presentation	Encore Presentations
Wednesday, September 14, 2016 6:30–8:00 p.m. Contois Auditorium, City Hall	Thursday, September 15, 2016 9:00 a.m. and 12 noon Contois Auditorium, City Hall

For questions and information, please visit
www.GreatStreetsBTV.com
or contact Diane Meyerhoff at 802.865.1794

The Great Streets Initiative is a project of the City of Burlington



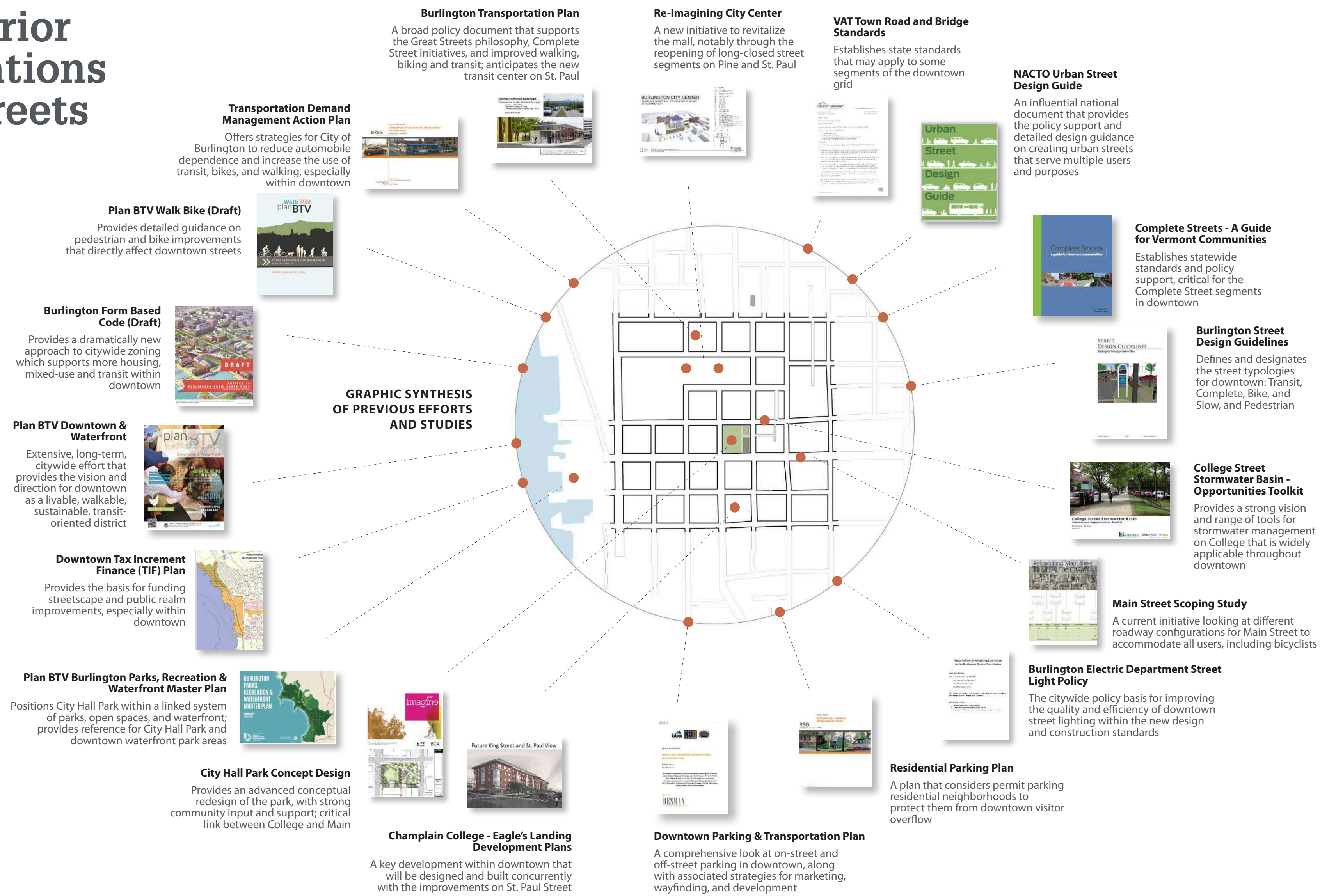
Individuals with disabilities who require assistance or special arrangements to participate in programs and activities of the Dept of Planning & Zoning are encouraged to contact the Dept at least 72 hours in advance so that proper accommodations can be arranged. For information, call 802-865-7138 (TTY 802-865-7144).



Introduction

Integrating Prior Recommendations into Great Streets

The Great Streets Initiative will draw upon local, state and national plans and guidance, including, but not limited to these:

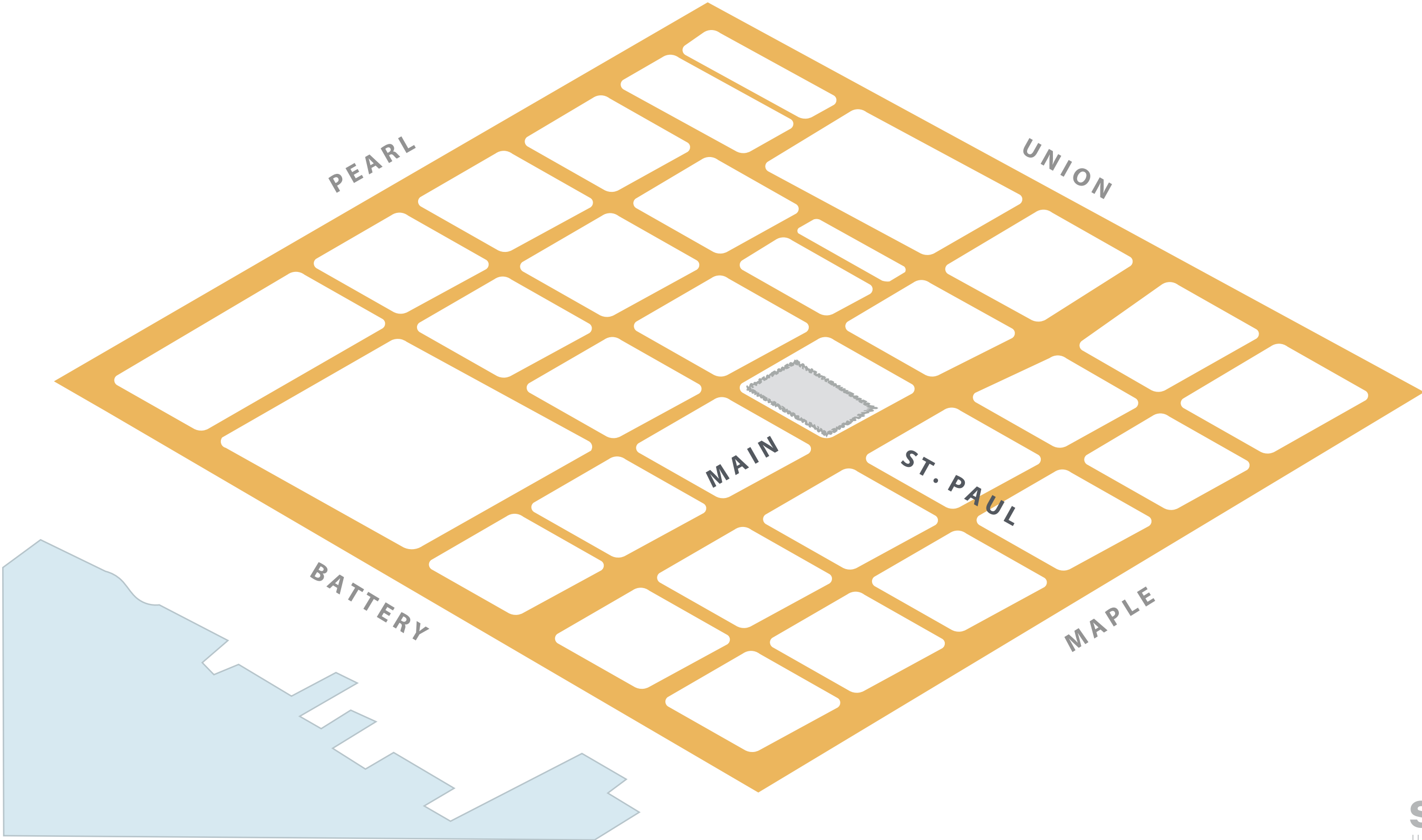


Introduction

Three-Part Initiative

A
Create
**Downtown Street
Design Standards**

- Stormwater
- Trees
- Lighting
- Furnishings
- Pathways



Introduction

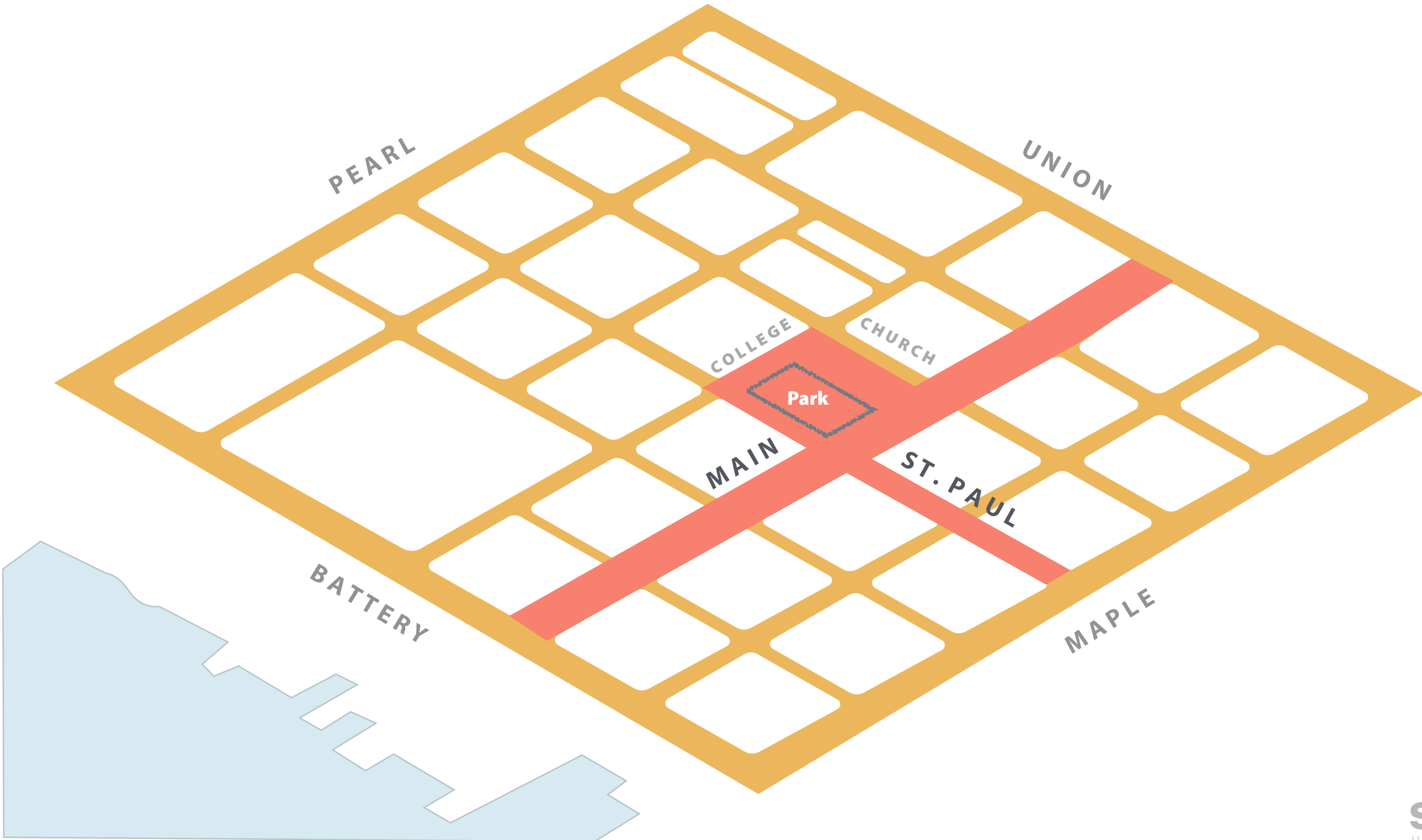
Three-Part Initiative

A
Create
**Downtown Street
Design Standards**

- Stormwater
- Trees
- Lighting
- Furnishings
- Pathways

B
Create
**Main Street
Concept Plan**

- Main Street (6 blocks)
- Park Square
- St. Paul Street (2 blocks)



Introduction

Three-Part Initiative

A
Create
Downtown Street Design Standards

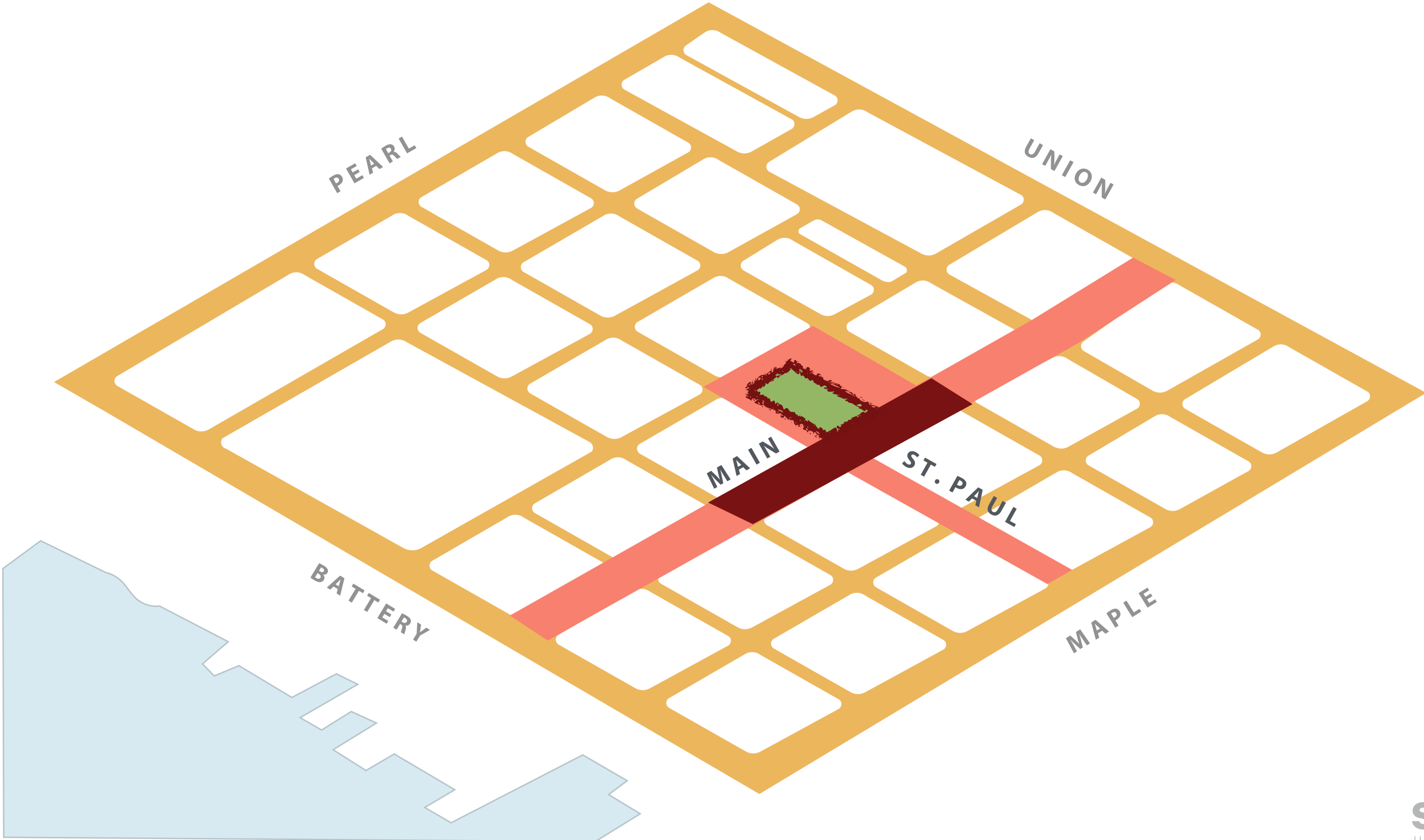
- Stormwater
- Trees
- Lighting
- Furnishings
- Pathways

B
Create
Main Street Concept Plan

- Main Street (6 blocks)
- City Square
- St. Paul Street (2 blocks)

C
Design & Build
Park & Main Project

- Main Street (2 blocks)
- City Hall Park



Introduction

Timeline



Introduction

What is a “great street”?

These are the high-level guiding principles for street design that are called for in the City's recently adopted plans/documents.

Walkable/Bikeable

high quality
pedestrian and bike
network, safe,
convenient, shady,
protective

Sustainable

benefits air and water
quality, stormwater
smart, energy efficient,
transit-friendly

Vibrant

lively, attractive,
diverse, accessible,
inclusive, supports
economic activity

Functional

works for all users,
vehicles types,
emergencies, events;
affordable and
maintainable

Introduction

Potential Features of a Great Street for Burlington



**Durable
Curbs**



**Advanced Street
Tree Installation**



**Expanded
Tree Canopy**



**Highlighting
of Landmarks**



**Placemaking /
Public Art**



**Enhanced
Crosswalks**



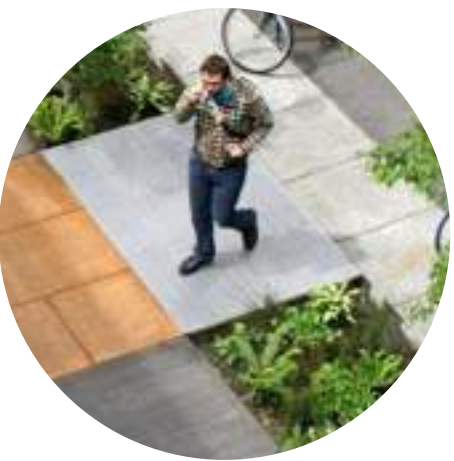
**Snow
Management**



**Accessible
and Inclusive**



**Enhanced
Lighting**



**Rain
Gardens**



**Bike
Lanes**



**Efficient
Parking**



**Transit
Facilities**



**Wider
Sidewalks**



Shared Space



Bike Parking

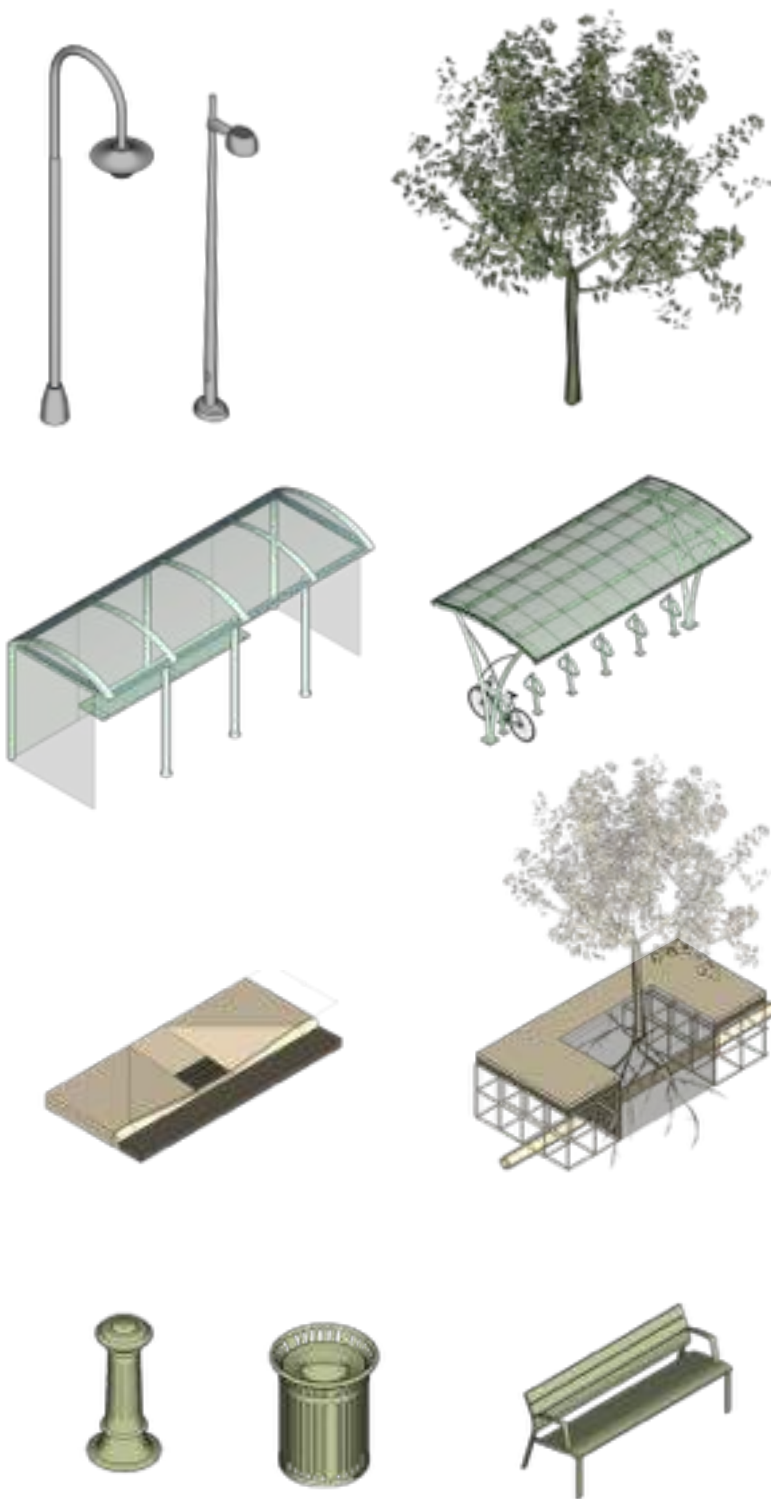
Introduction

Distinctive Design Standards

design standards should feel like Burlington and reflect its history, character, architecture, people



Stormwater
Trees
Lighting
Furnishings
Pathways



A Downtown Street Design Standards

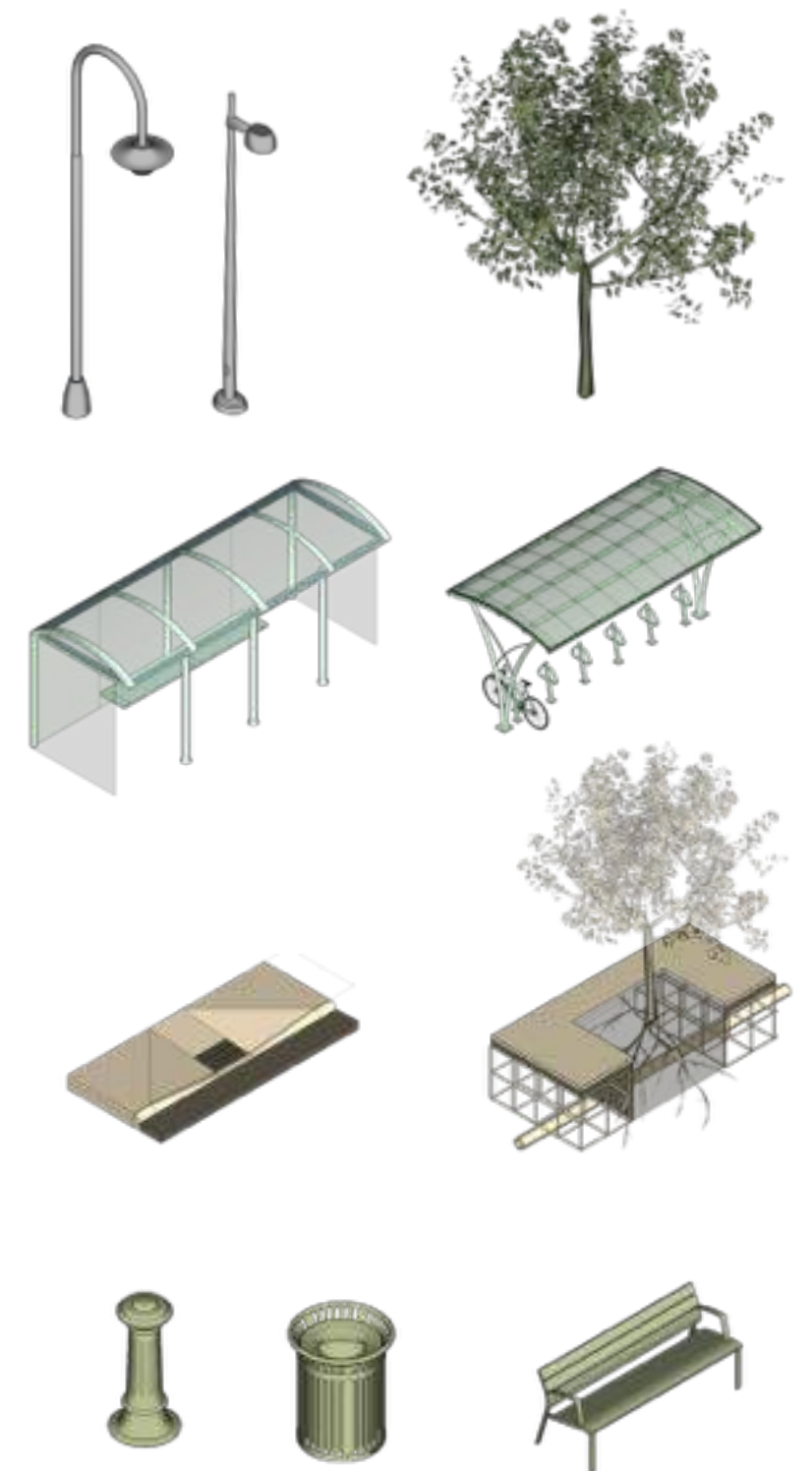
A manual to guide street design in downtown Burlington for the next generation

Great Streets BTV

City of Burlington
Street Design & Construction Standards

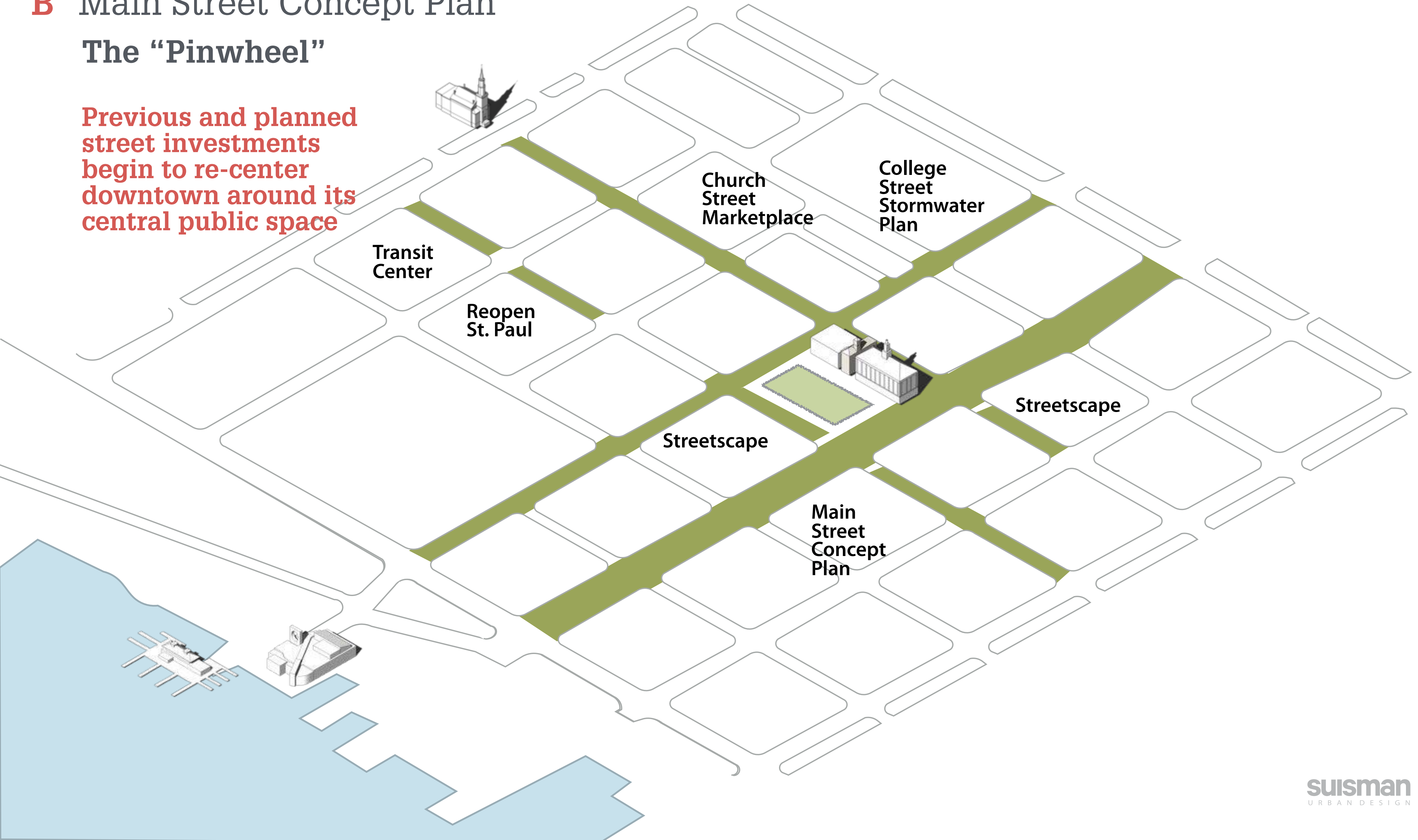
August 1, 2016

Stormwater
Trees
Lighting
Furnishings
Pathways



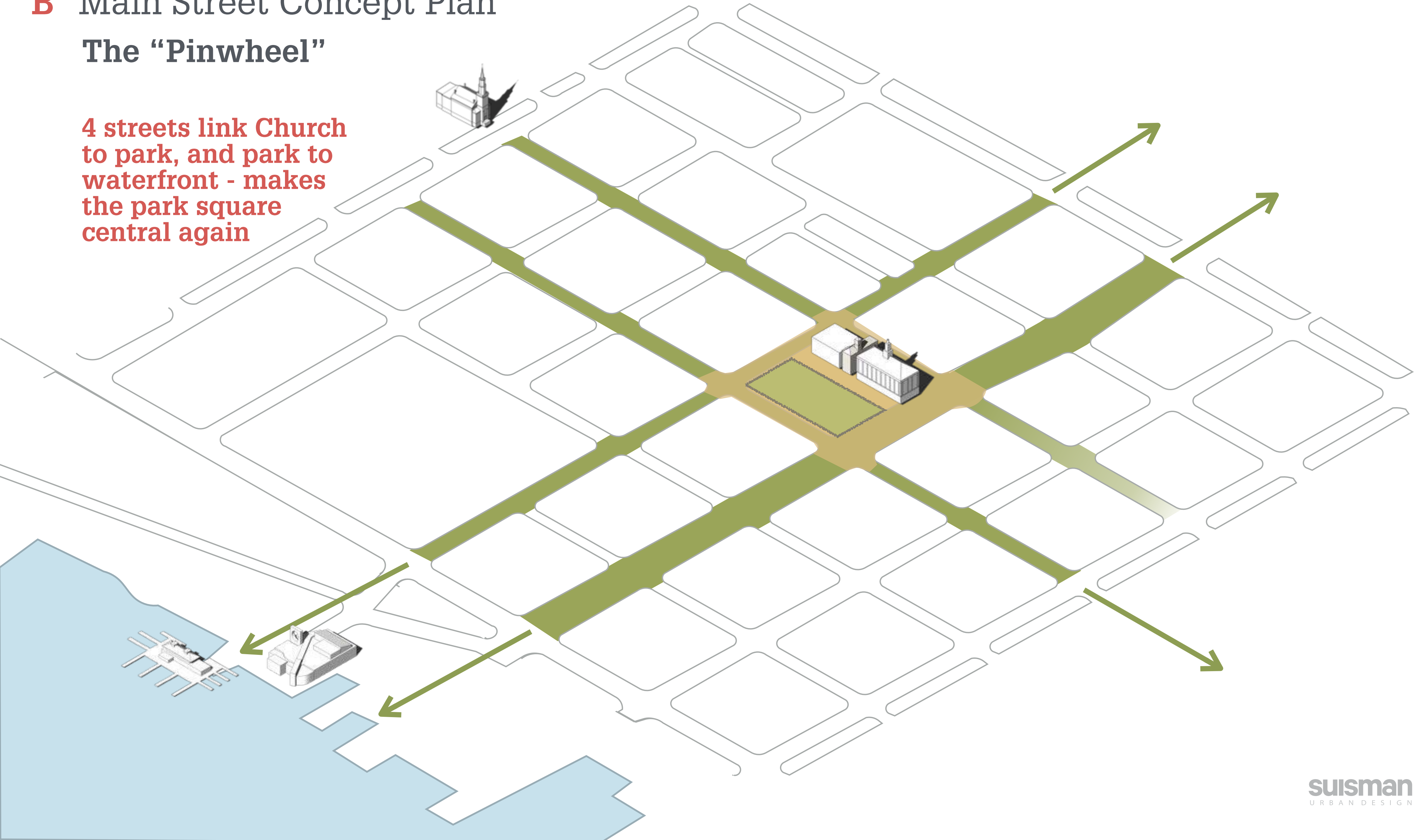
B Main Street Concept Plan The “Pinwheel”

Previous and planned
street investments
begin to re-center
downtown around its
central public space



B Main Street Concept Plan The “Pinwheel”

4 streets link Church
to park, and park to
waterfront - makes
the park square
central again



B Main Street Concept Plan The “Pinwheel”

The Main Street Project builds out key elements of the Pinwheel

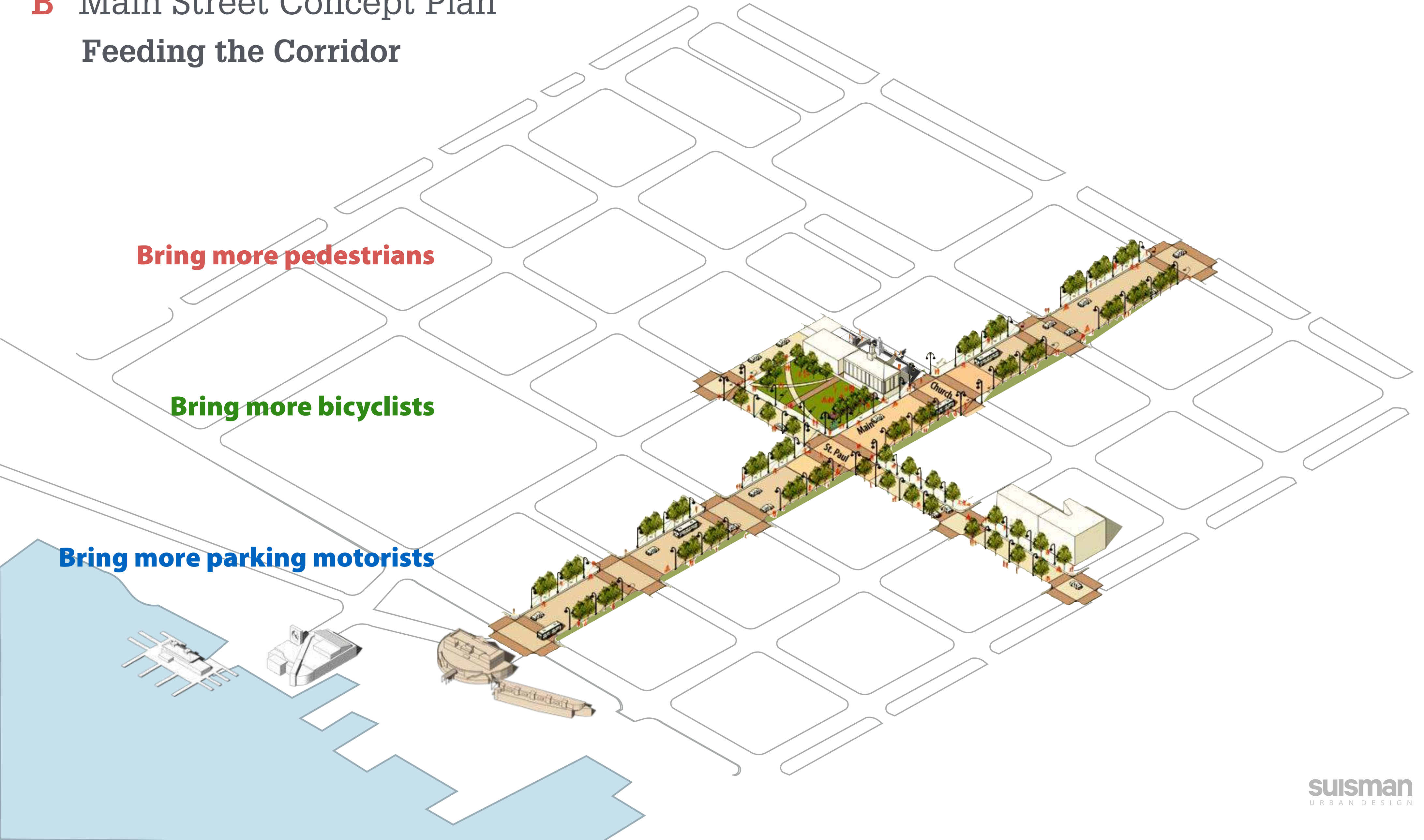


B Main Street Concept Plan Feeding the Corridor

Bring more pedestrians

Bring more bicyclists

Bring more parking motorists



B Main Street Concept Plan

Feeding the Corridor

Bring more pedestrians

Make Main more walkable

wider sidewalks, shorter crosswalks, better wayfinding, more seating more terraces, more shade

Bring more bicyclists

Make Main more bikeable

protected bike lane, protected bike parking, bike valet, bike hub, connect to bike paths

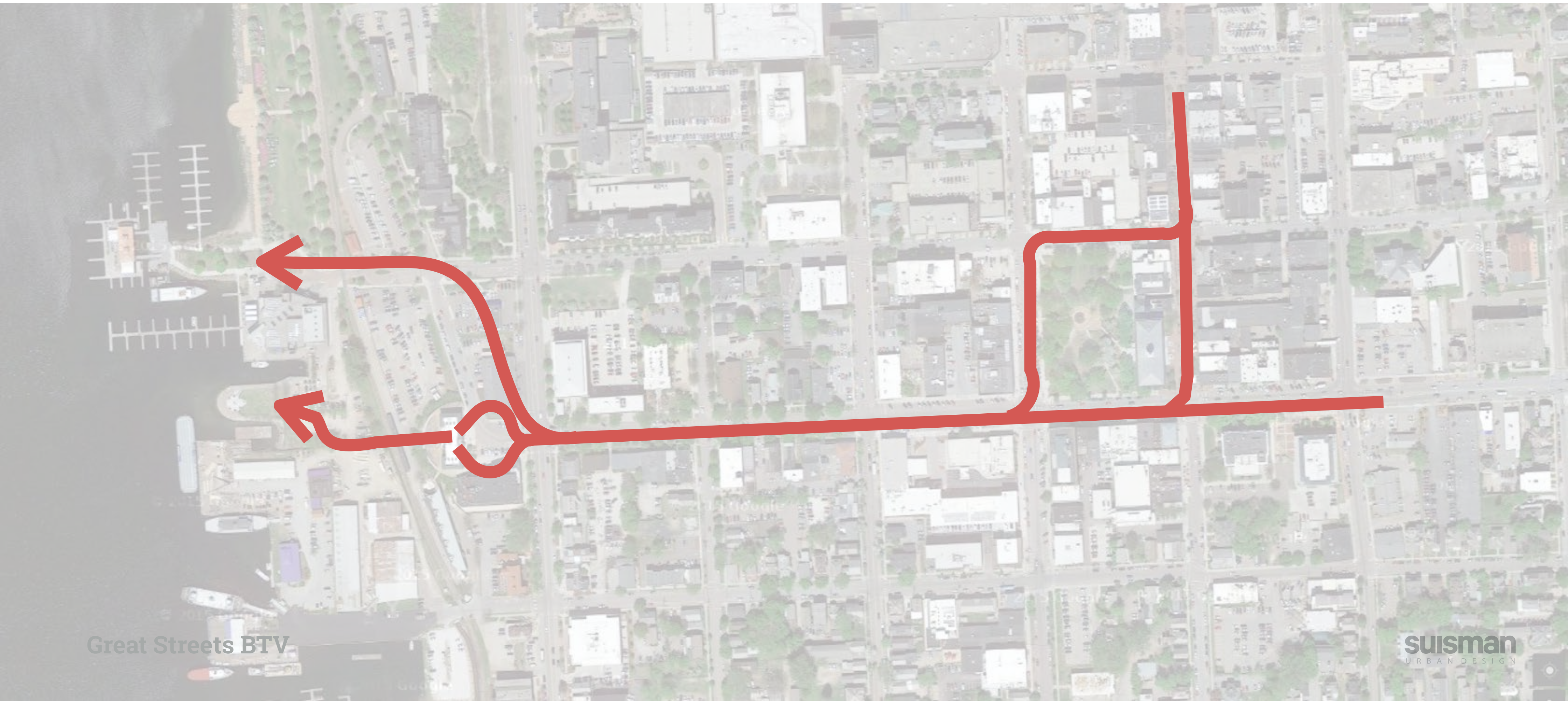
Bring more parking motorists

Make Main easier to reach

better walking links to garages and nearby on-street parking, better real-time information on apps and dynamic signs

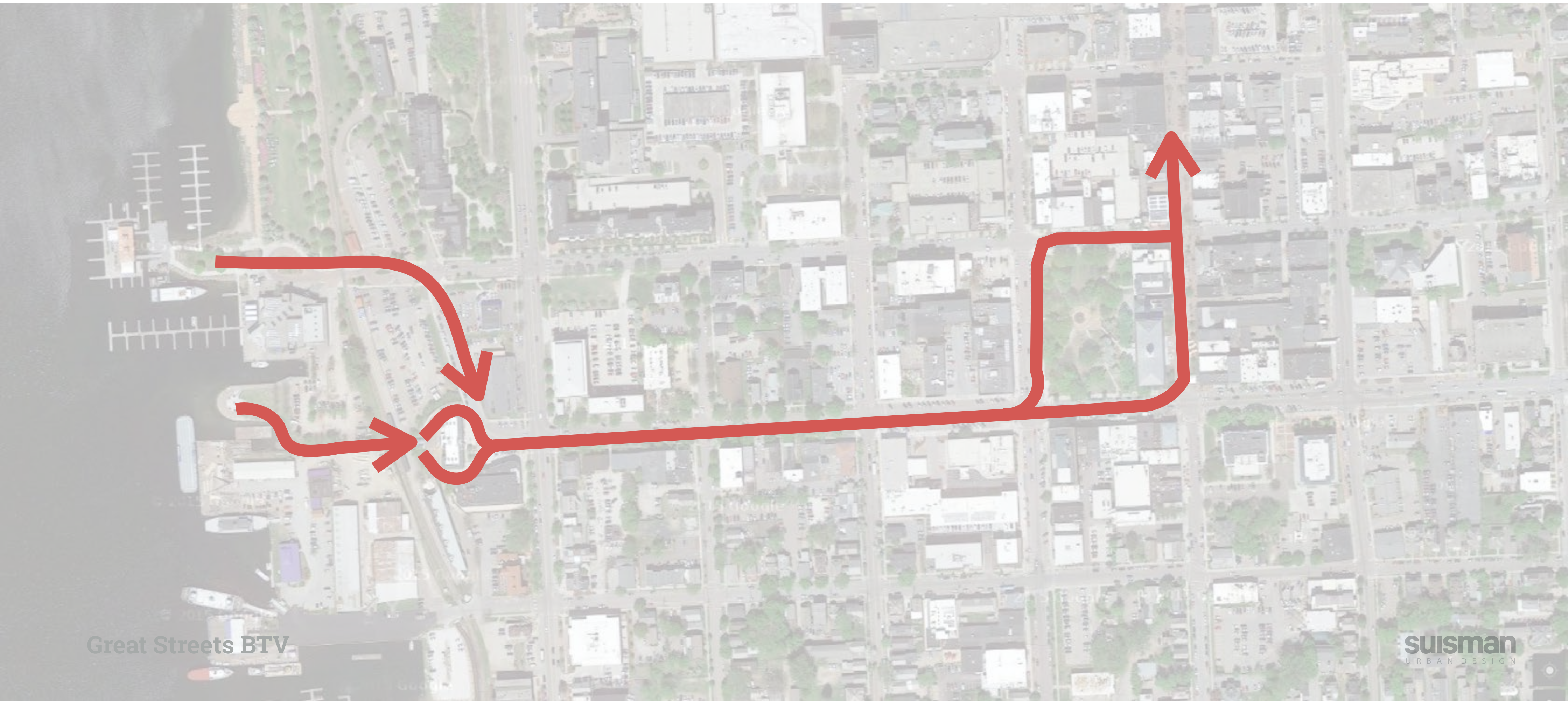
B Main Street Concept Plan

Pull pedestrians to the waterfront



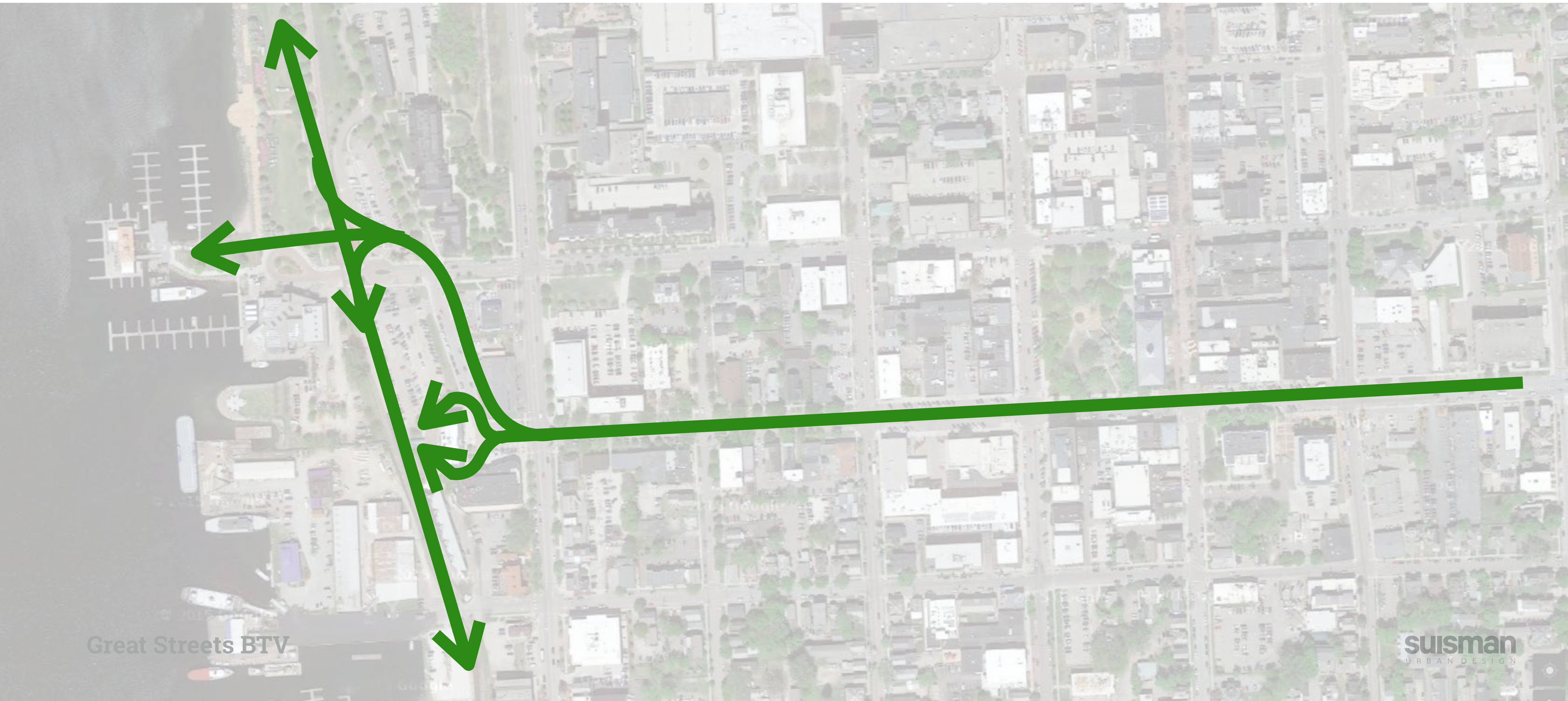
B Main Street Concept Plan

Pull pedestrians from the waterfront



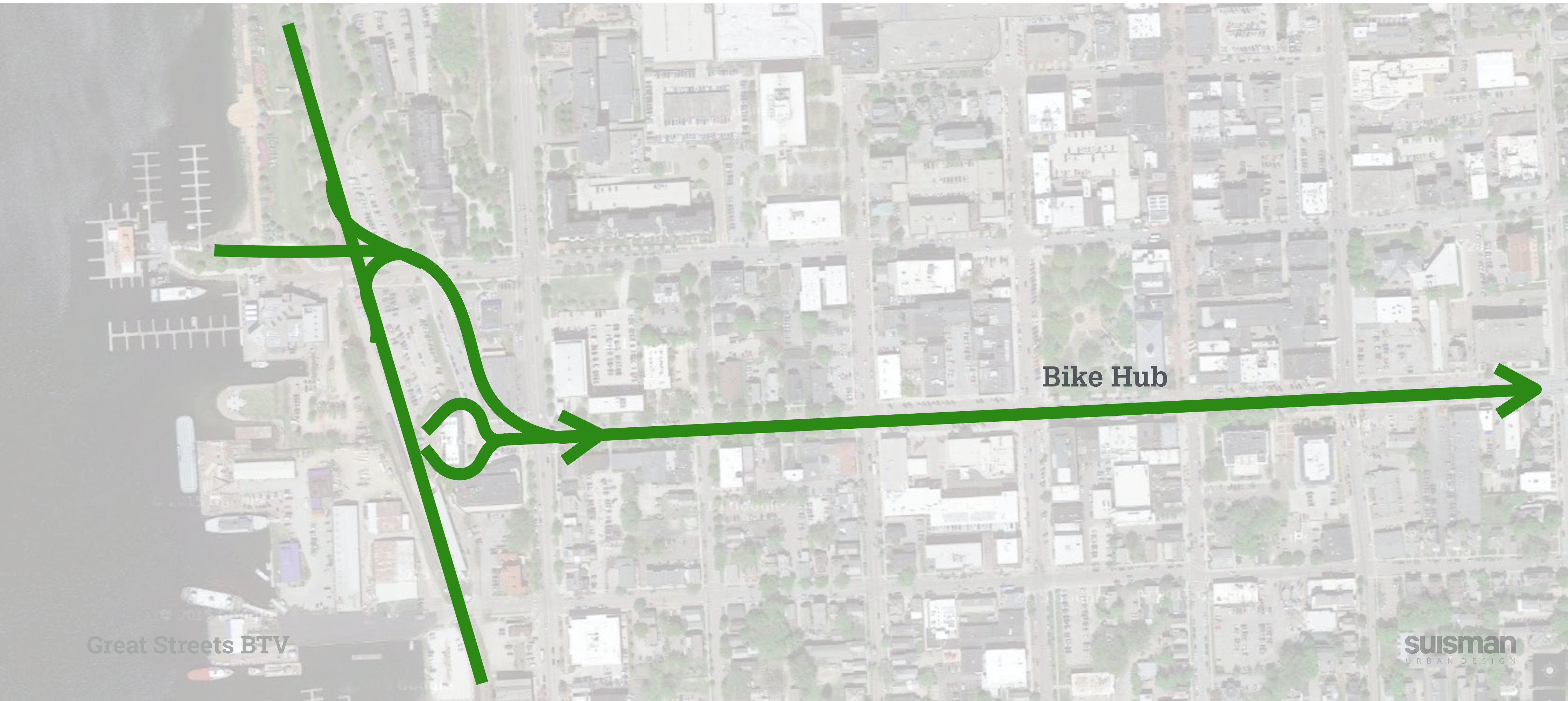
B Main Street Concept Plan

Pull cyclists to the waterfront



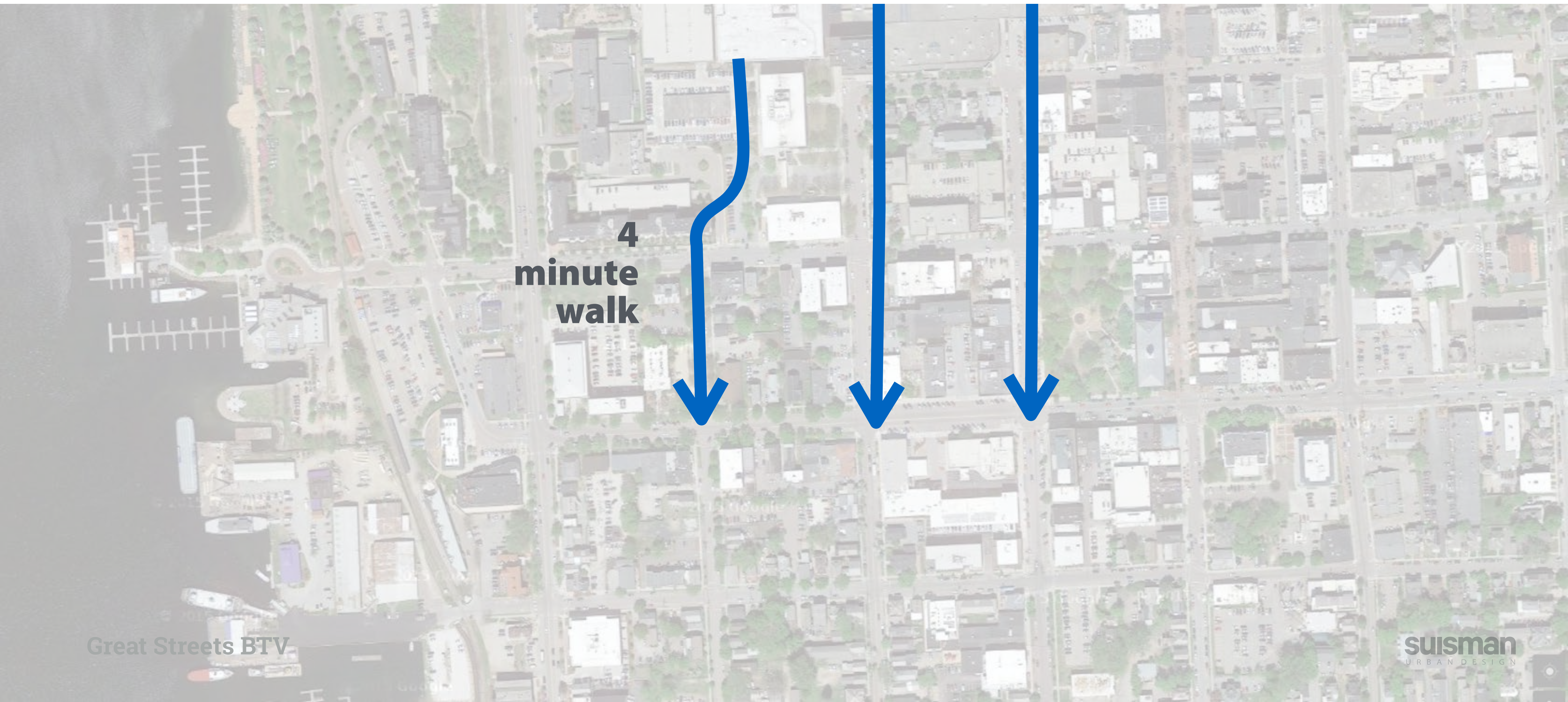
B Main Street Concept Plan

Pull cyclists from the waterfront



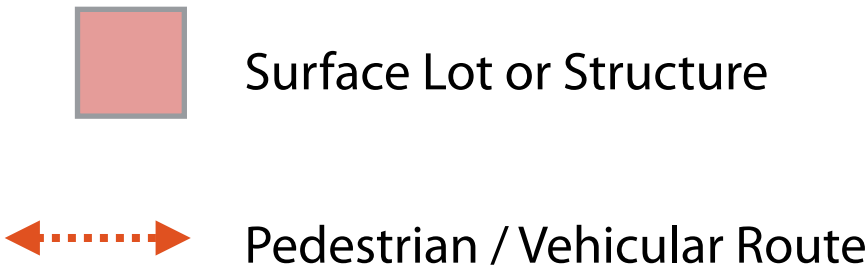
B Main Street Concept Plan

Pull motorists from garages and nearby on-street parking



B Main Street Concept Plan

Developing a dynamic district program to connect Main Street businesses with all parking resources, on street and off street

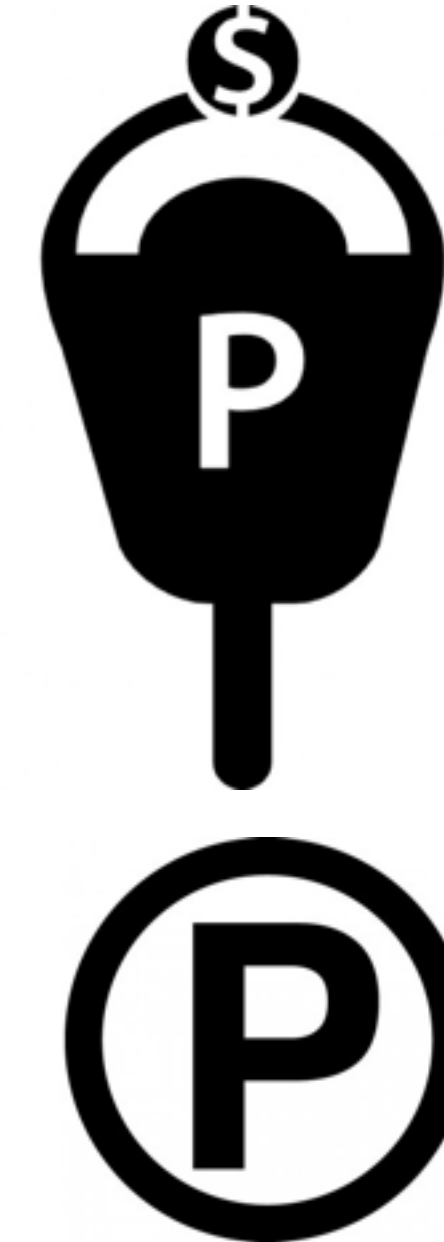


B Main Street Concept Plan

The City is converting to smarter, “district” (rather than “destination”) parking strategies



Parking in Burlington, VT: A Change for the Better
The Downtown Parking Initiative for Burlington, Vermont

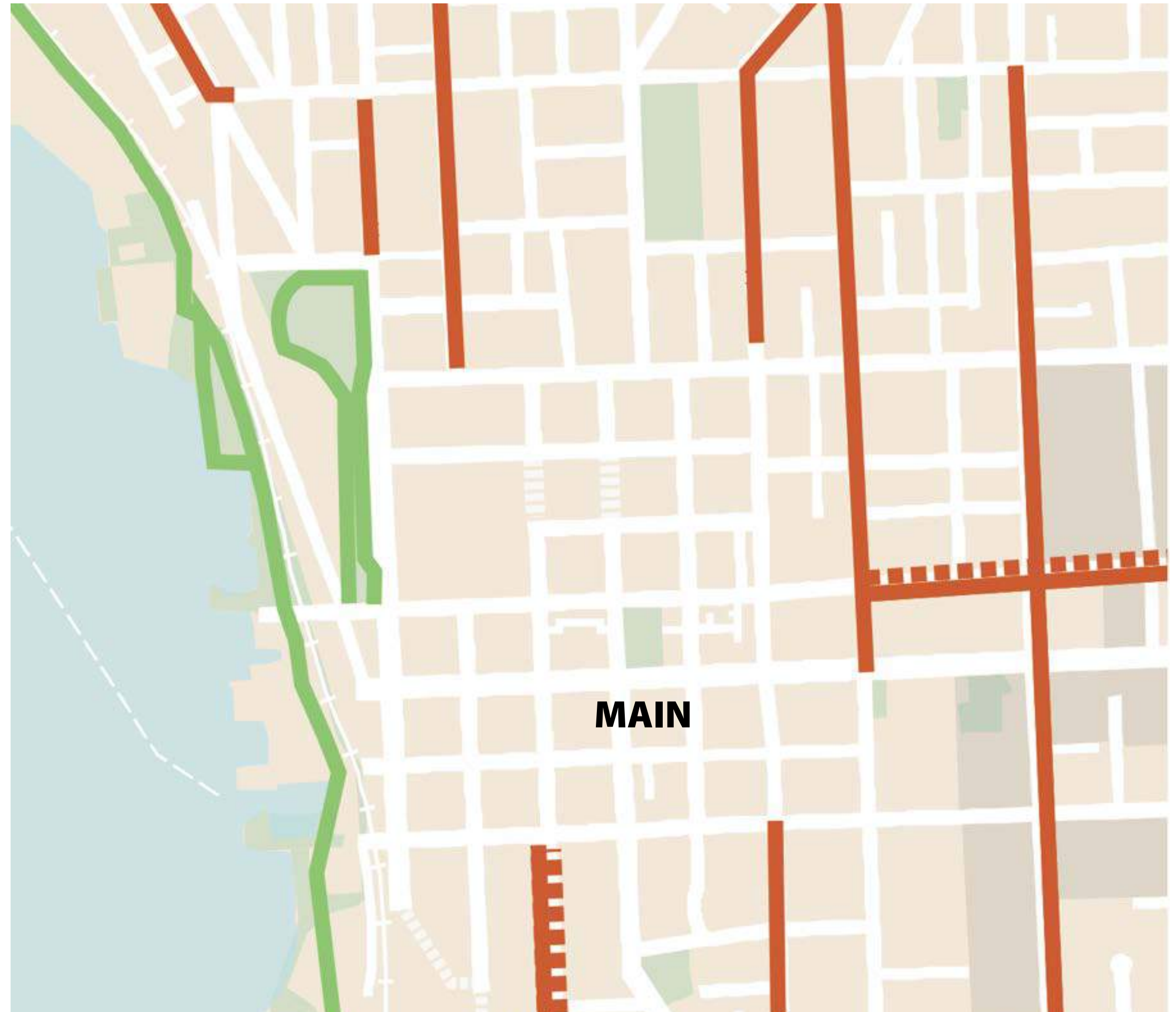


B Main Street Concept Plan

Capitalizing on the benefits of a protected bike lane

Existing Low-Stress Network

- Low-Stress Network - Shared Use Paths
- Conventional Network
- City Boundary
- Park/Open Space
- University/Campus Area

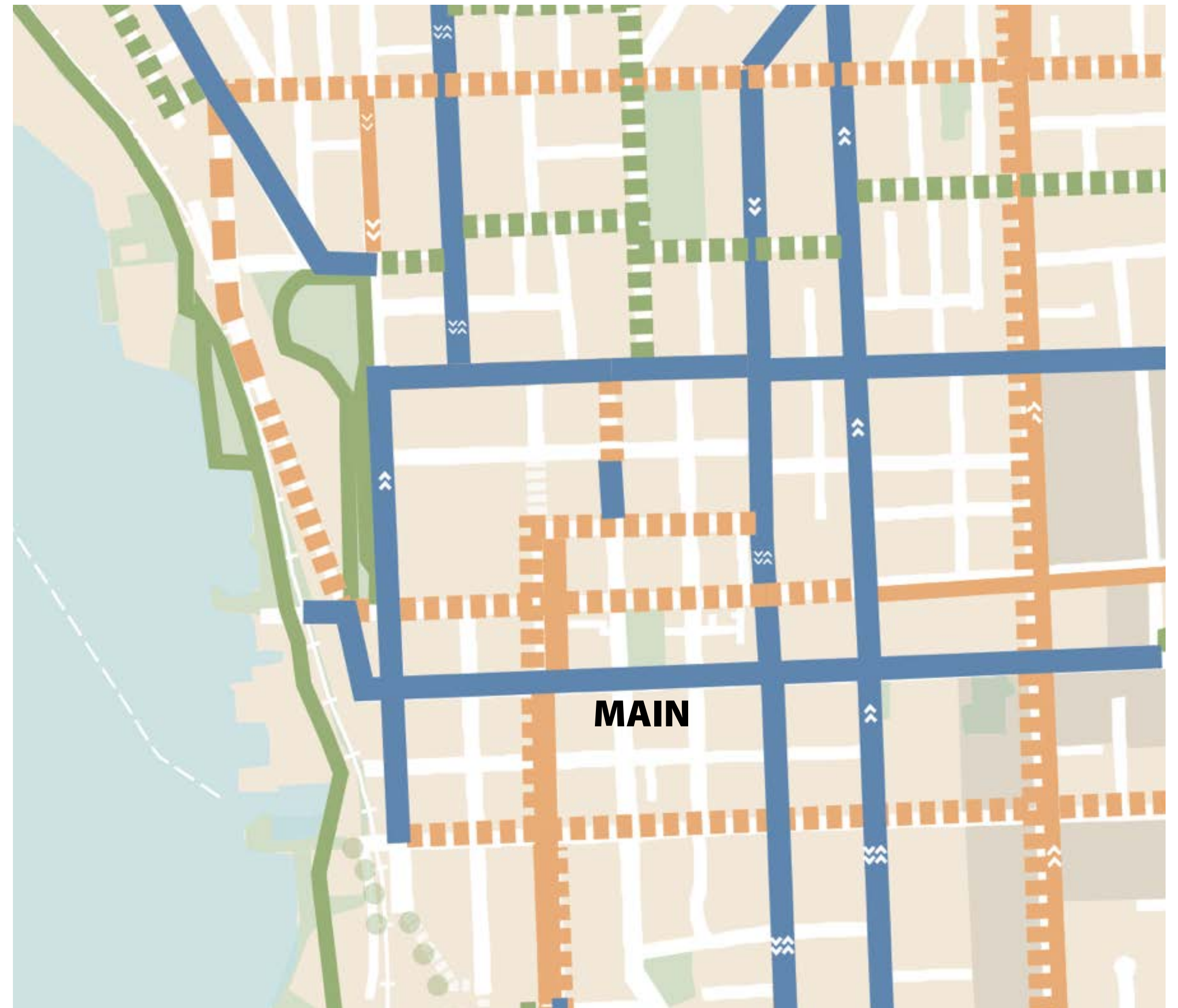


B Main Street Concept Plan

Capitalizing on the benefits of a protected bike lane

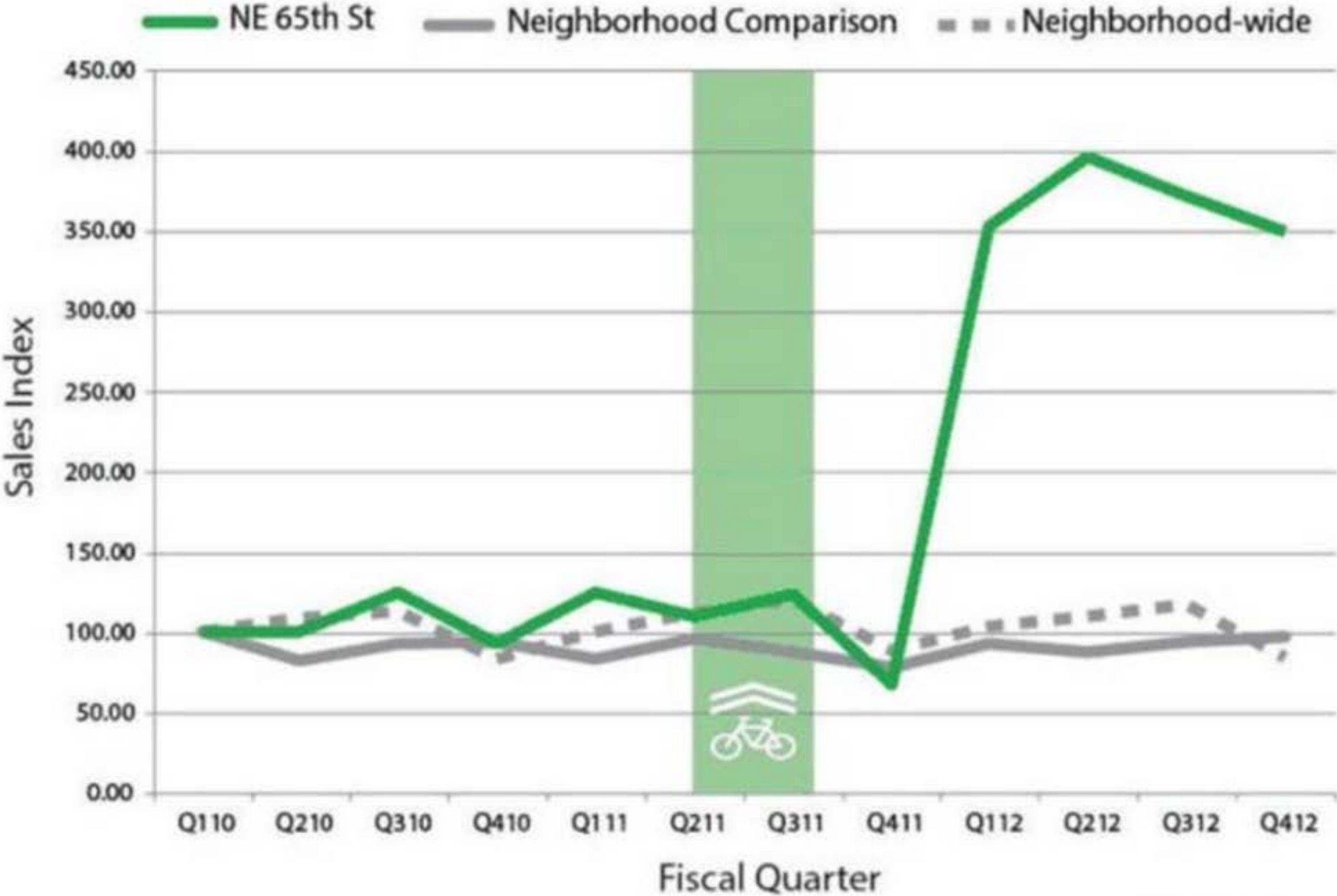
Long-Term Bikeway Network

- Shared Use Path
- Protected Bike Lane
- Neighborhood Greenway
- Buffered/Conventional Bicycle Lane
- Advisory Bicycle Lane
- Shared Use Lane Markings
- Potential Path Easement
- City Boundary
- Park
- University/Campus Area



B Main Street Concept Plan

Protected bike lanes have had major economic benefits for retailers



(Via Kyle Rowe)

B Main Street Concept Plan

Diagonal parking takes more pavement per parking space:

- Wasted corners
- Circulation needed to maneuver into spaces

Each diagonal parking space takes 150% the area of parallel

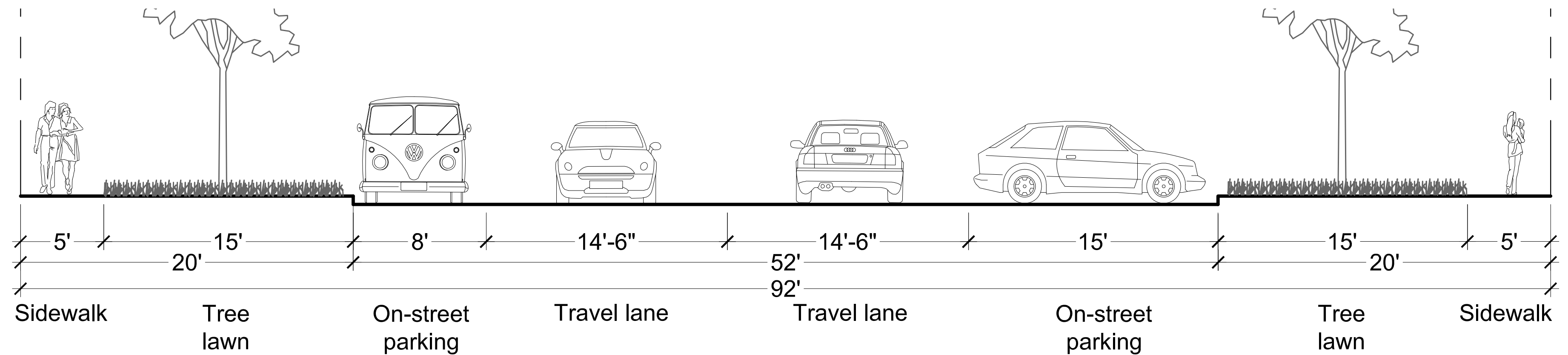


11 ft travel
lane

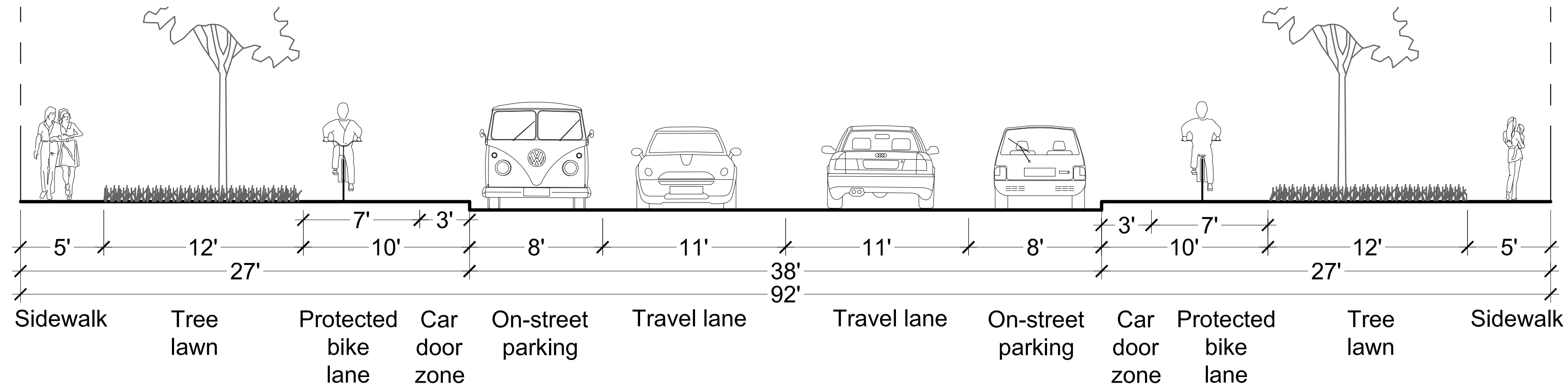
Parking and
Maneuvering

B Main Street Concept Plan

Rotating from diagonal to parallel parking is the key that unlocks options for Main Street



EXISTING CONDITIONS



Improved treebelts



Wider sidewalks

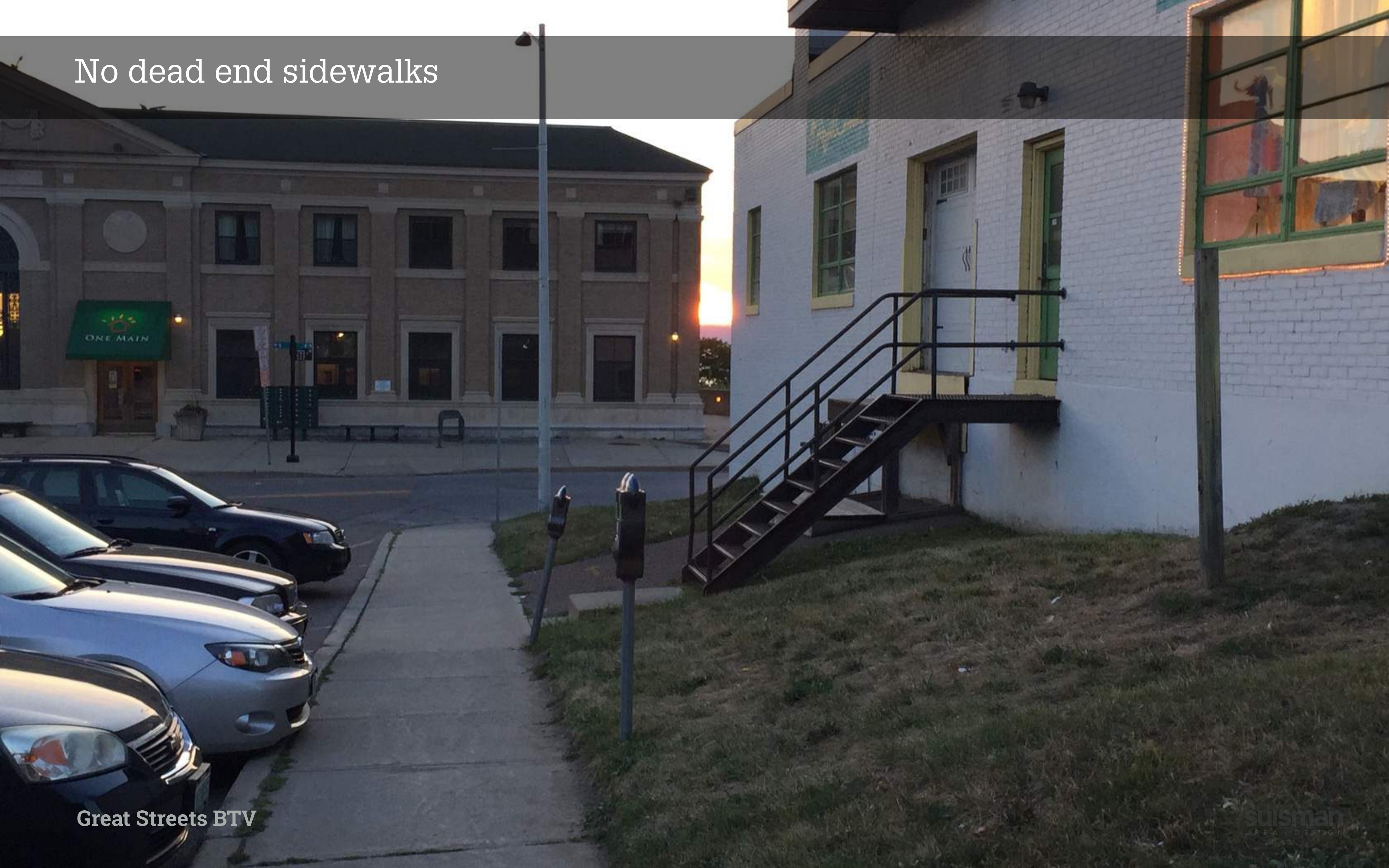
Improved curbs, paving, and bike parking



Easier crossing of Battery



No dead end sidewalks



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No dead end sidewalks



No dead end sidewalks



A great potential “shared space”



Exceptional access to views and waterfront

Connecting the bike path to Main



Drawing pedestrians up to Main



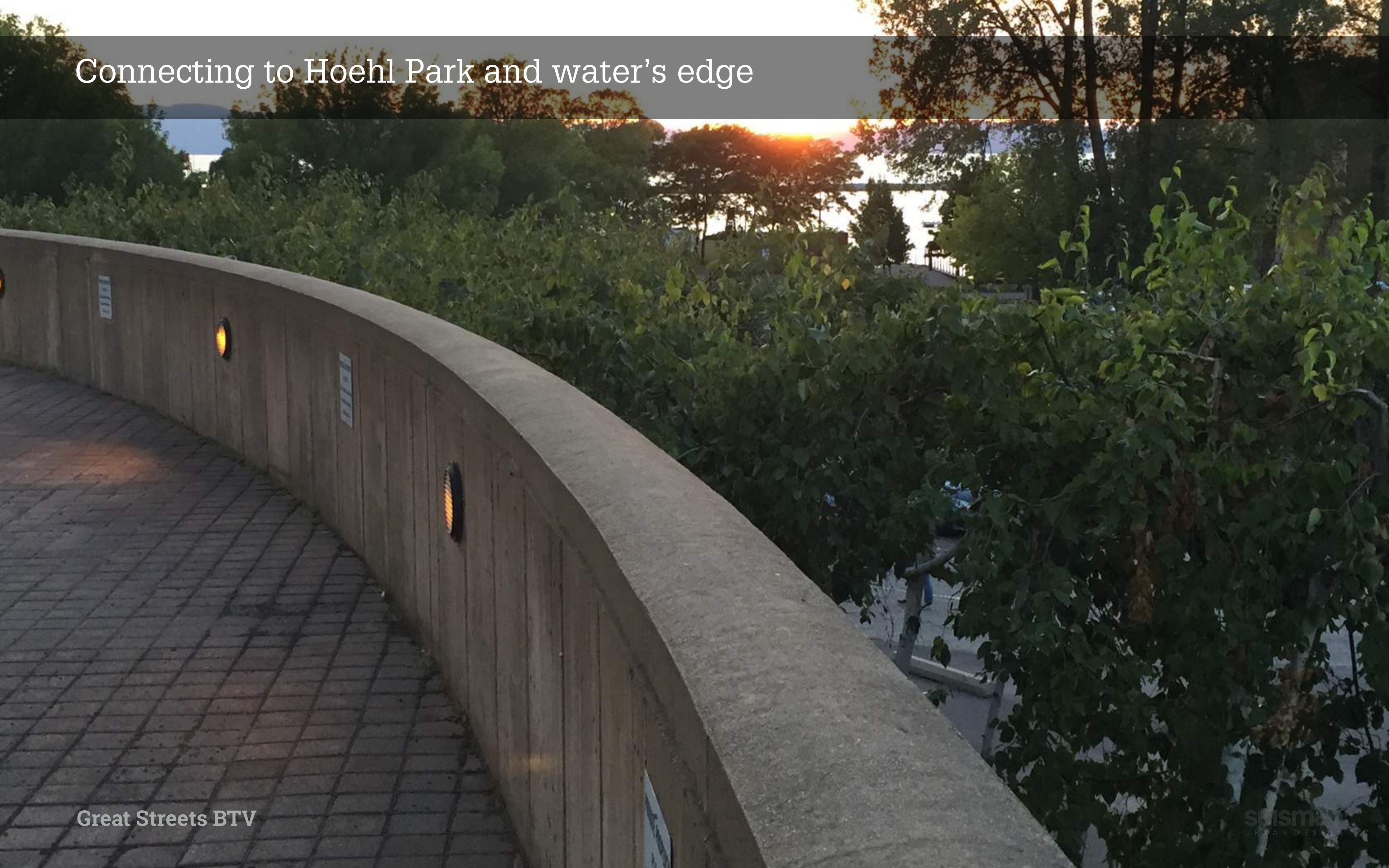
A better gateway to Main



Providing an alternative to College



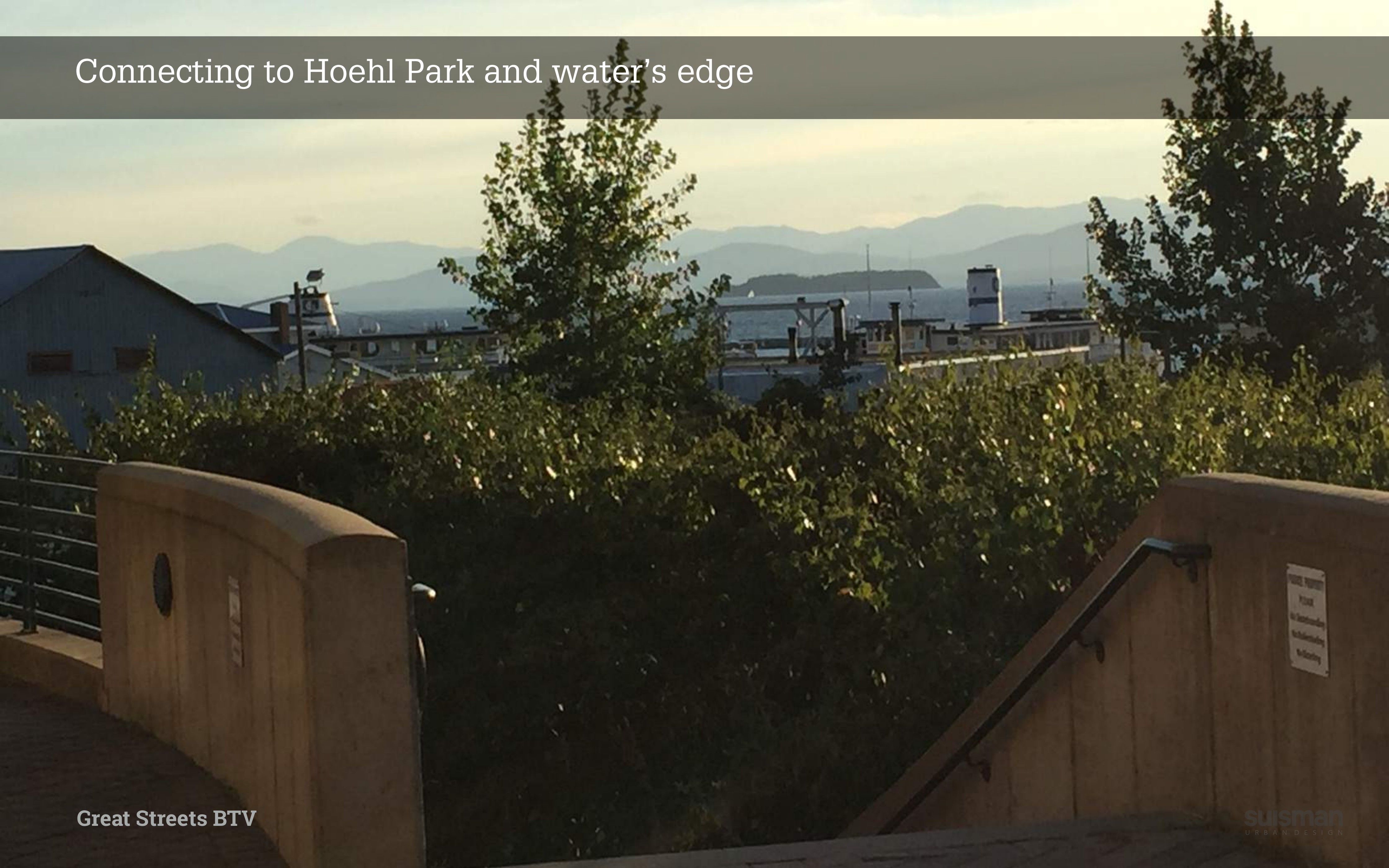
Connecting to Hoehl Park and water's edge



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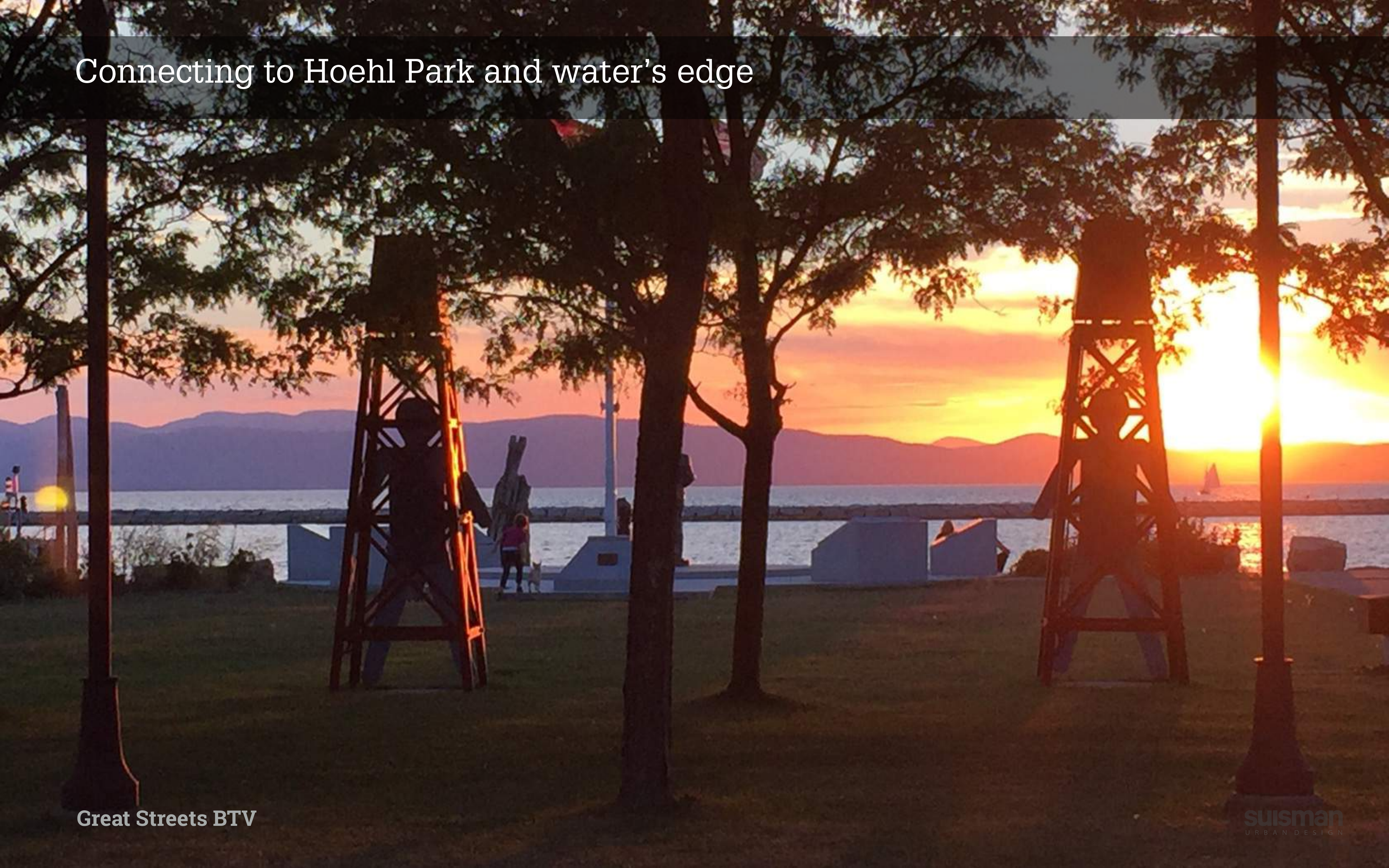
Connecting to Hoehl Park and water's edge



Connecting to Hoehl Park and water's edge



Connecting to Hoehl Park and water's edge



Connecting to Hoehl Park and water's edge



Businesses are essential to the vitality of Main Street



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92's Pub

The feeding and care of Main Street - to make it a destination

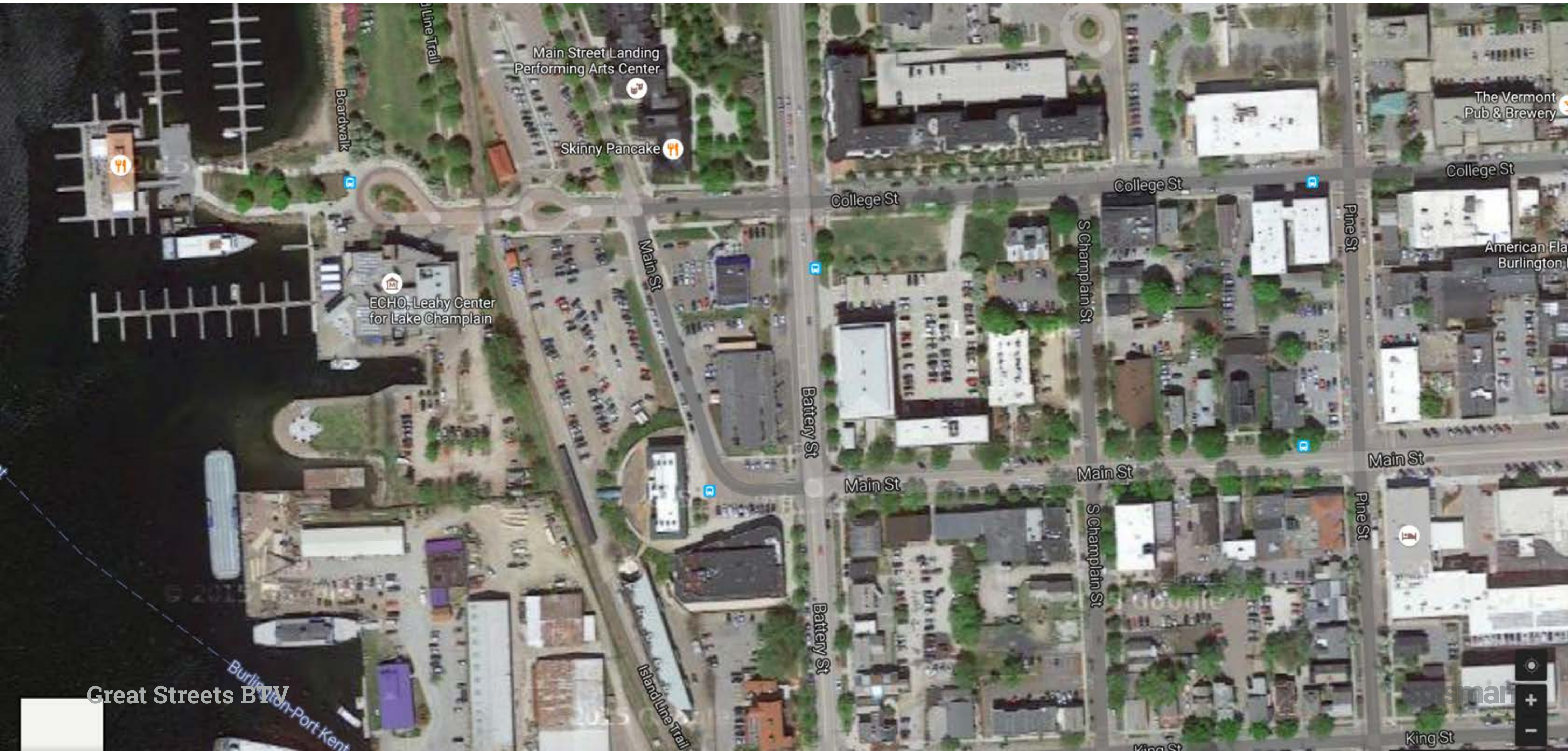


Extras

B Main Street Concept Plan

X

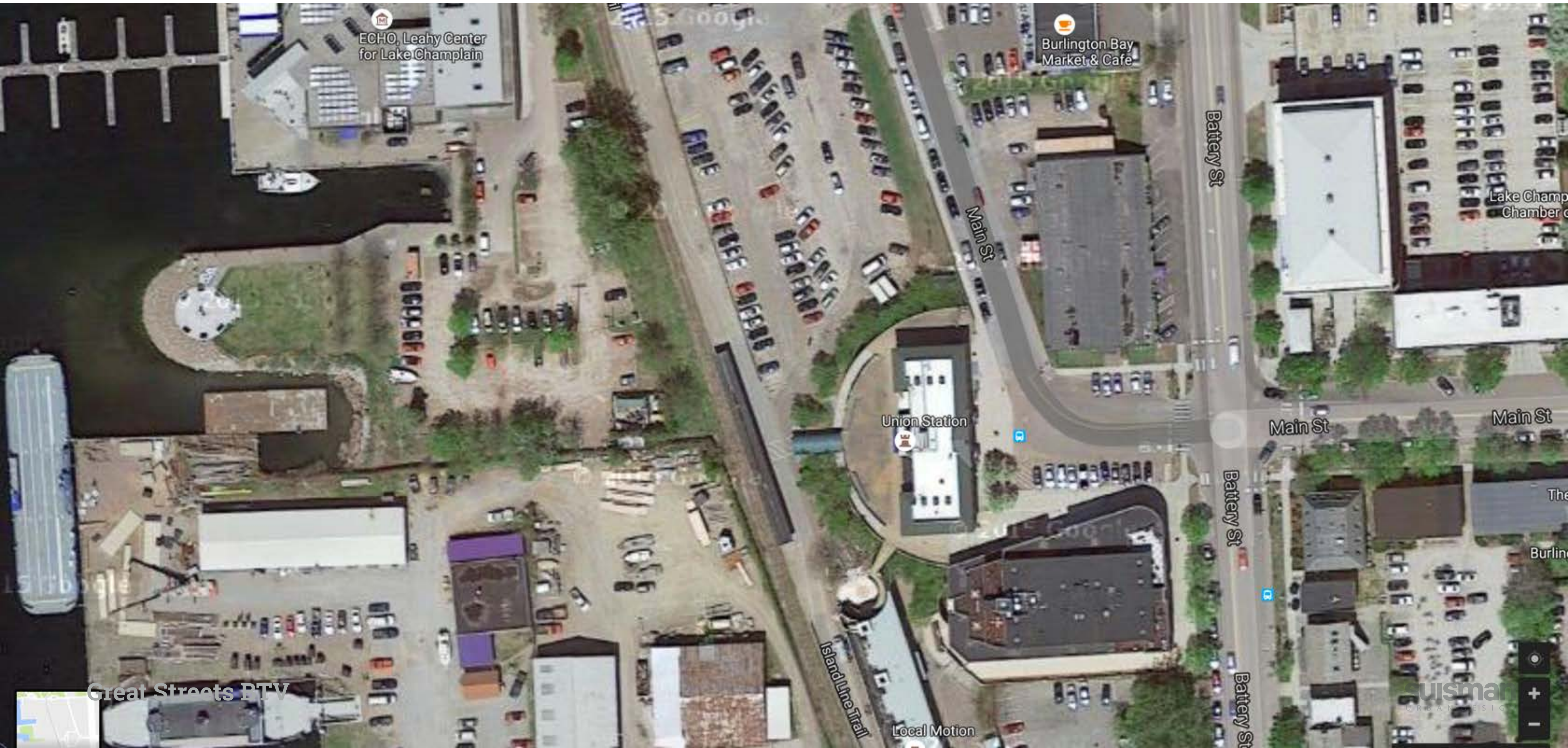
text



B Main Street Concept Plan

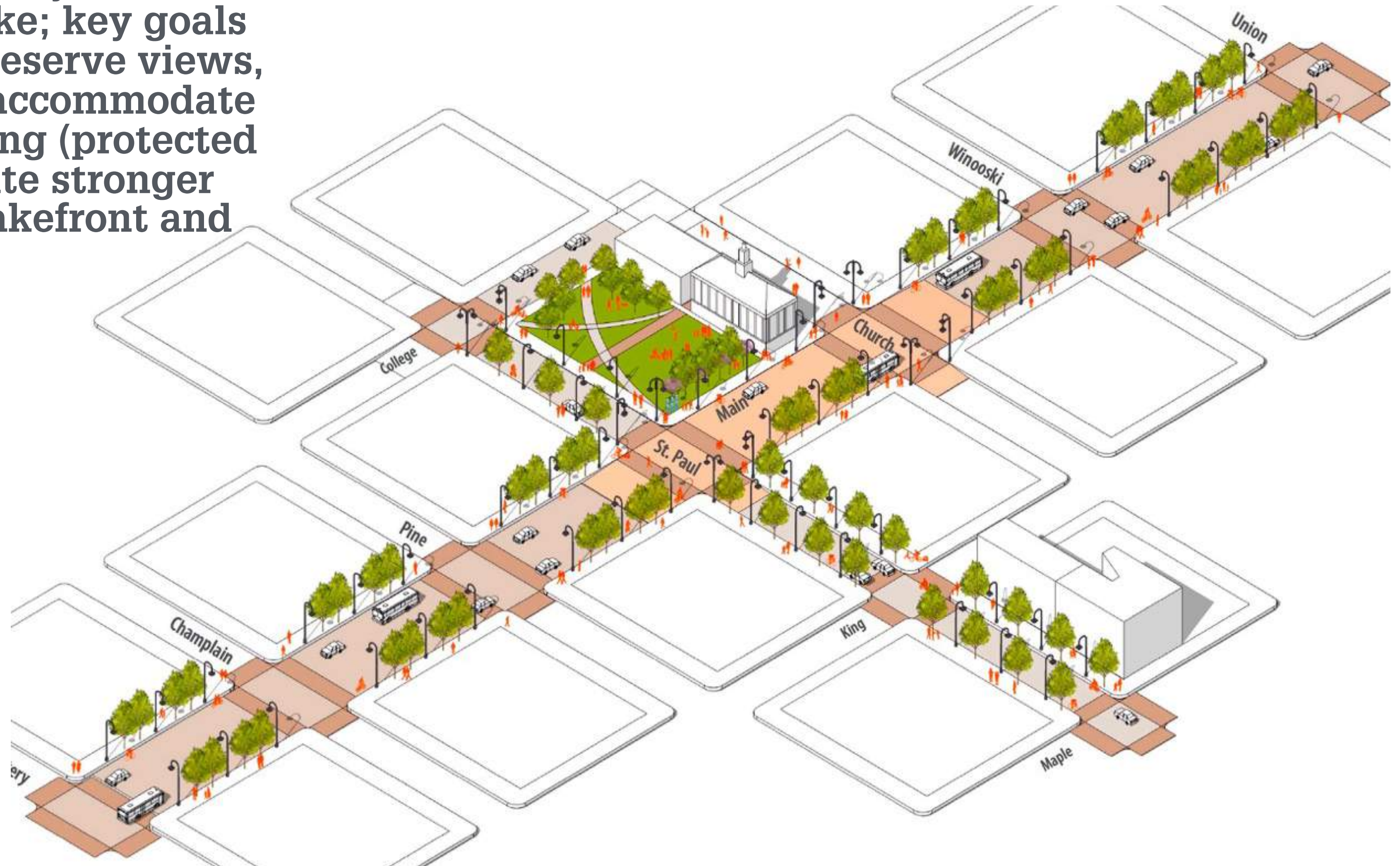
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text



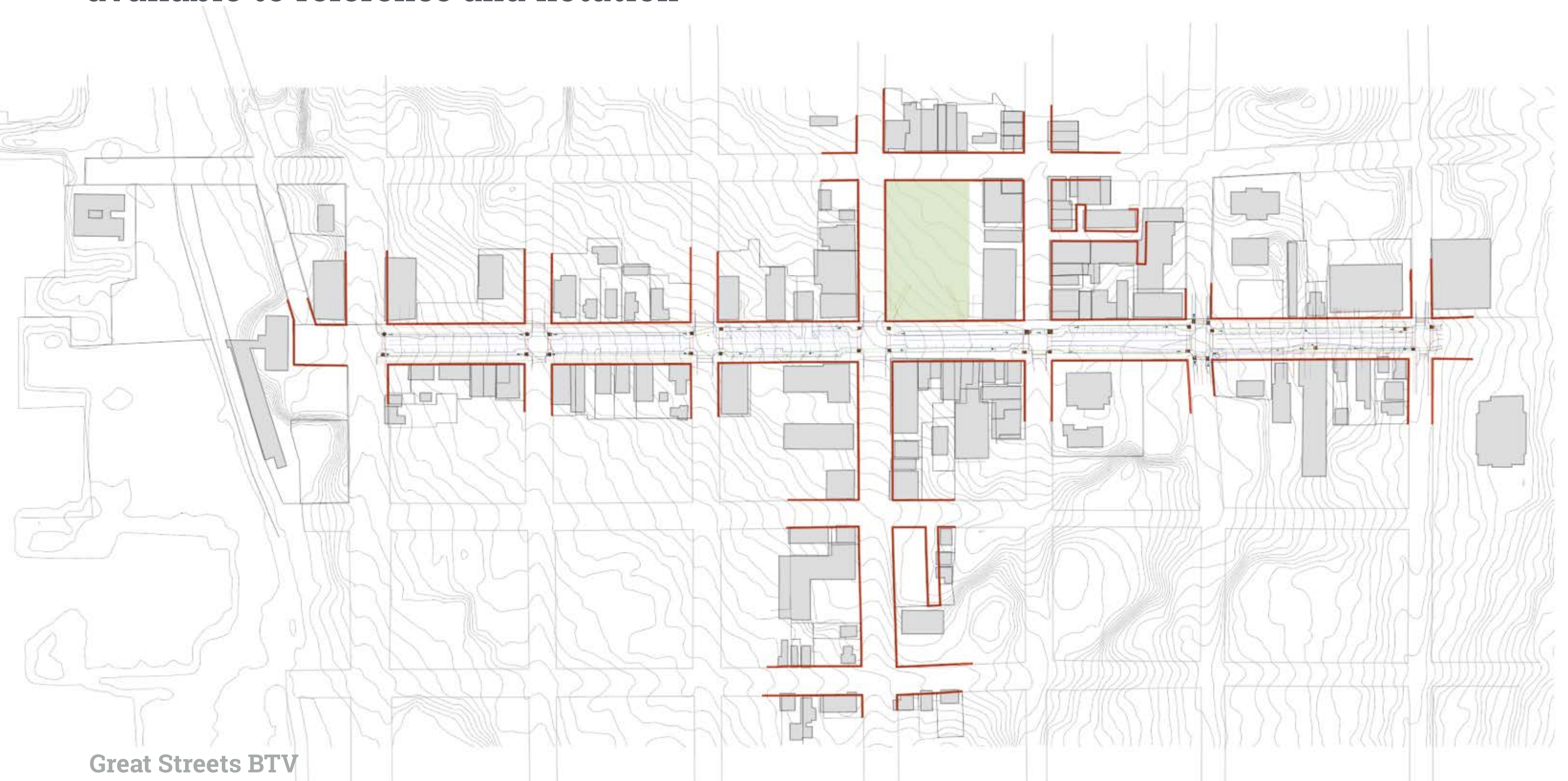
B Main Street Concept Plan

Combines gateway street, link from UVM to lake; key goals should be to preserve views, support retail, accommodate events and biking (protected lane?), and create stronger connection to lakefront and City Hall Park



B Main Street Concept Plan

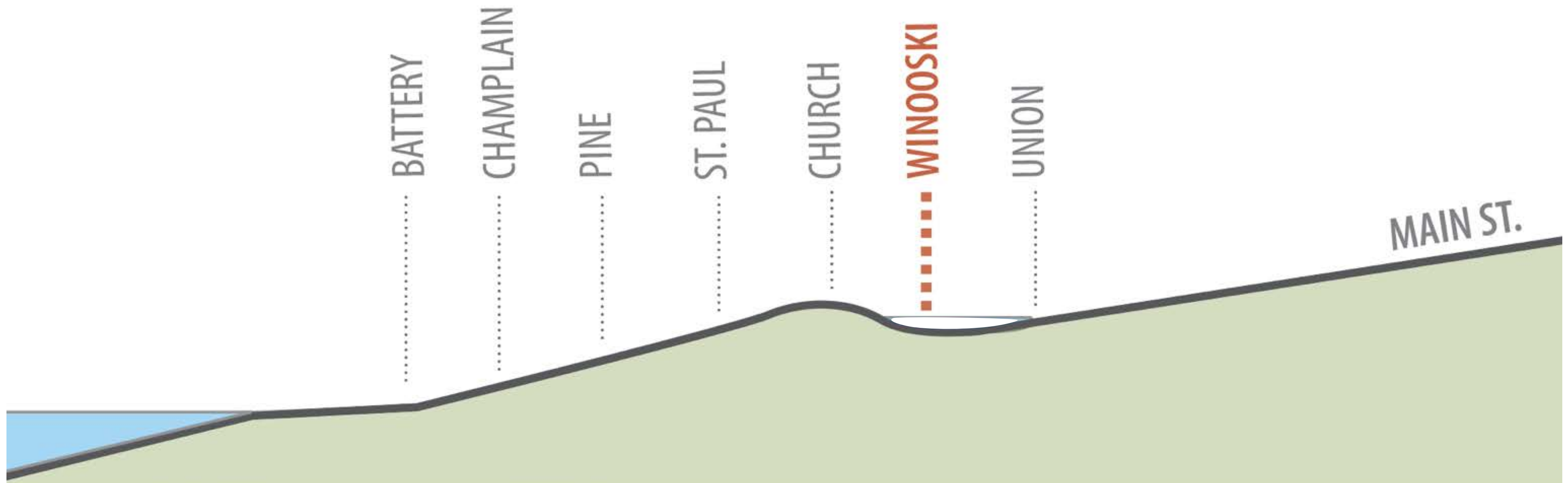
**Main Street base plan
available to reference and notation**



B Main Street Concept Plan

Sloping Main Street

Main Street is an important and broad east-west link through downtown that connects the UVM campus to the lake. But does not function in the same way as typical commercial main streets, which are usually flat and parallel to water (like Church Street).



B Main Street Concept Plan

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B Main Street Concept Plan

View from digital model



B Main Street Concept Plan

Typical cross-section study

