



Sustainable Infrastructure Construction Season Preview





- Reinvestment Projects
- Under Construction
- 2019 Projects
- Completed Projects
- All Projects

Construction Portal

The schedule listed for each project is subject to change. Please email rgoulding@burlingtonvt.gov with any questions.



2019 Projects

See all capital projects planned for 2019! This includes all paving, sidewalk, transportation, water and sewer projects.

[View Map](#)

[View List](#)



Active

See all capital projects currently under construction in Burlington. For exact schedules, please contact 802-863-9094.

[View Map](#)

[View List](#)



All Projects

See all projects proposed, under construction or built since passage of the 2016 infrastructure bonds.

[View Map](#)

[View List](#)



Completed

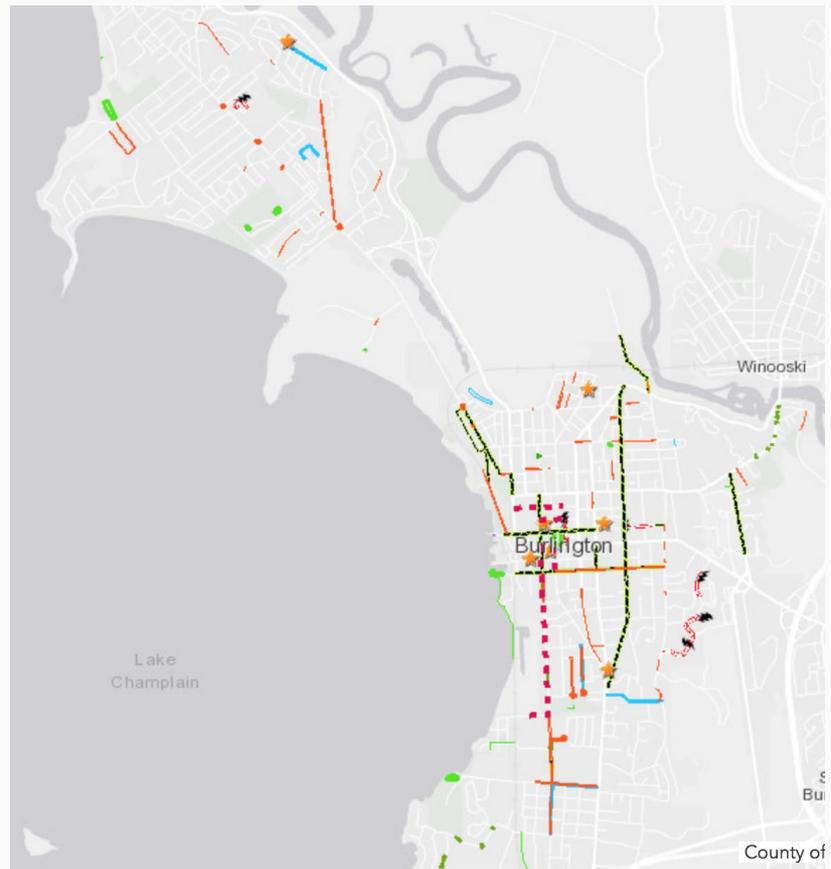
See all of the completed capital projects in Burlington since passage of the 2016 infrastructure bonds.

[View Map](#)

[View List](#)



COMPLETED PROJECTS -- 2017 & 2018



PLANNED -- 2019

**CONSTRUCTION SEASON -- SUSTAINABLE INFRASTRUCTURE PLAN
UPDATES**

CAPITAL REINVESTMENT	Past Annual Investment	2017 Final	2018 Final	TOTAL since Passage of Infrastructure Bonds
Paving	~ 3 miles	5.13 miles	7.37 miles	12.50 miles
Sidewalk Reconstruction	~ 1 mile	3.0 miles total	2.86 miles	5.86 miles
Water Main Relining	As needed	1.78 miles	1.93 miles	3.71 miles
Water Main Replacement	As needed	0.44 miles	1.5 miles	1.94 miles
Curb	As needed	0.62 mile	0.53 miles	1.15 miles
Sewer/Stormwater Pipe Rehab	As needed	\$165K	\$272K	\$437K

Capital Reinvestment Progress Since 2016

- **95 miles of roadway**
- **130 miles of sidewalk**
- **75** signalized intersections
- **1** water plant
- **110 miles of water mains**
- **3** Wastewater Treatment Plants
- **49** miles of sanitary sewer
- **45** miles of combined sanitary / storm sewer
- **37** miles of storm sewer
- **25** pump stations
- **102** storm water outfalls
- **2,000+** catch basins
- **900** fire hydrants
- **12,000** residential units served by recycling service
- **1,053** parking meters, **3** parking garages
- **300** city vehicles serviced and maintained
- **2** post-closure landfills
- **1** methane powered generating station
- **33** crossing guards
- **6,358** building, electrical, plumbing permit apps / year
- **541** excavation, obstruction permits / year
- **76** traffic requests received / year
- **2,500+** See Click Fix/customer service requests per year
- **3,500** tons of salt / year
- **3** fuels supplied at fueling station
- **1,014** crosswalks, stop bars & turn arrows maintained
- **\$~9M** of capital projects completed each year
- **1** great team that makes it all happen

Planning, RFPs & Approvals from BOF/City Council



Community Engagement & NPA's





Maple, Flynn & Pine Infrastructure Work

PUBLISHED Water Resources • water-resources@burlingtonvt.gov • Dept. of Public Works, Burlington

Posted to:

Centennial, Downtown, ONE Central, ONE East, ONE West, Appletree Point, Crescent Woods, Ethan Allen, Far North End, Lakewood, Village Green, Birchcliff, Five Sisters, Hill Section, King Maple, Lakeside, Oakledge, Redstone Quarry, South Union, The Addition

Apr 15, 2019

Announcement

While the calendar still shows mid-April, favorable weather conditions and rapidly retreating ground frost have allowed us to begin mobilizing on many infrastructure renewal projects. We want to thank you for



BTV Public Works @BTVDPW · Mar 13

Capital reinvestment work has started early. Stormwater pipe relining will take place on Pine St tomorrow - by Sears Lane & in front of Bobbin Mill apartments. They will then be returning on Monday next week to reline more pipes on Austin Dr and Dunder Rd



An Early Start



PAVING



COMPLETED -- 2017 & 2018



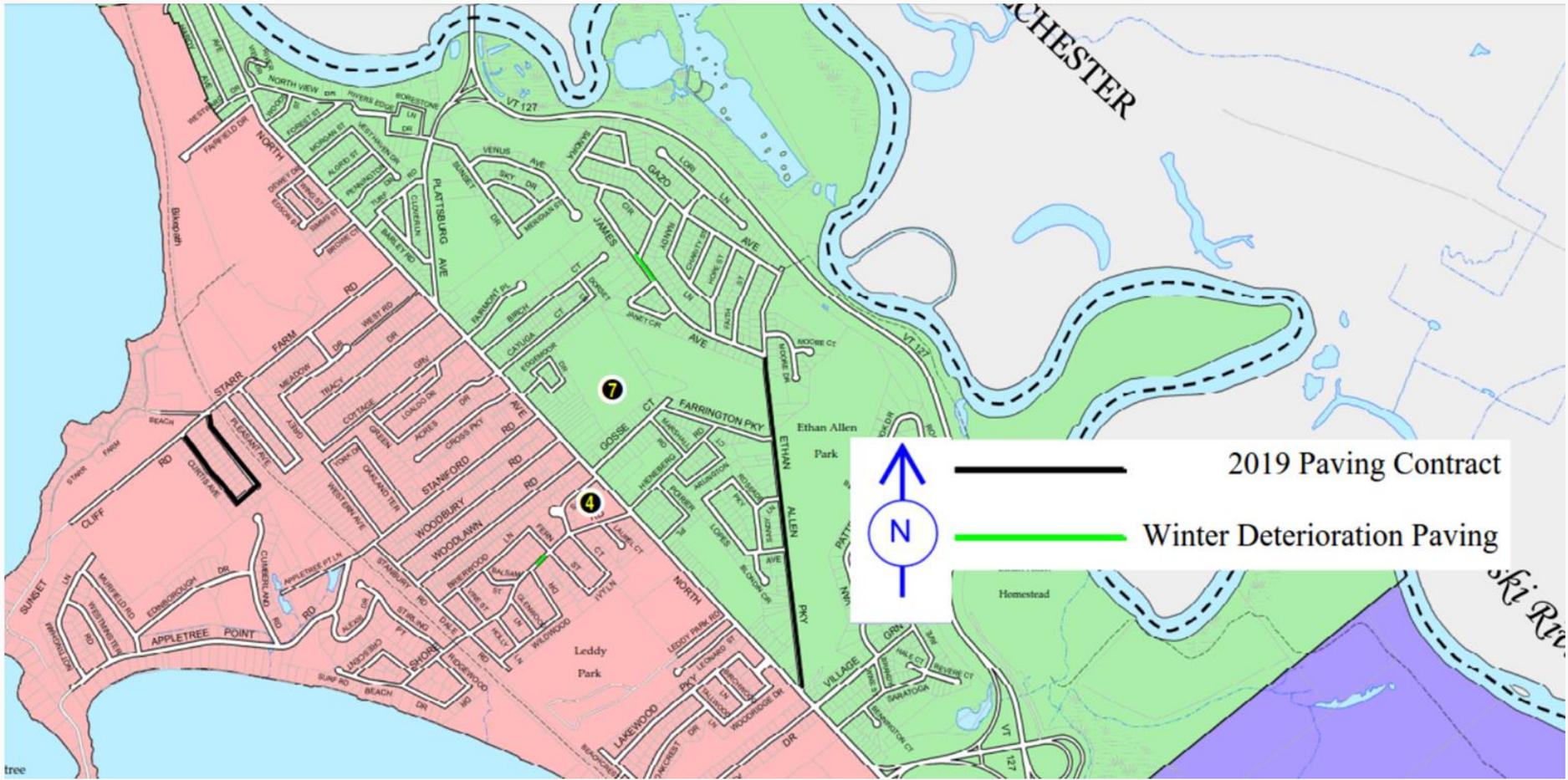
PLANNED -- 2019

Original Paving List

CHARLOTTE	CATHERINE - LOCUST
CURTIS	ALL
ETHAN ALLEN	NORTH AVE - JAMES AVE
FLYNN	RAILROAD - SHELBURNE RD
LATHAM	ALL
MAPLE	ST. PAUL-S PROSPECT
PINE ST	FLYNN - HOME
PINE ST	LAKESIDE - FLYNN

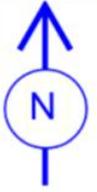
Winter List -- *segments of the following*

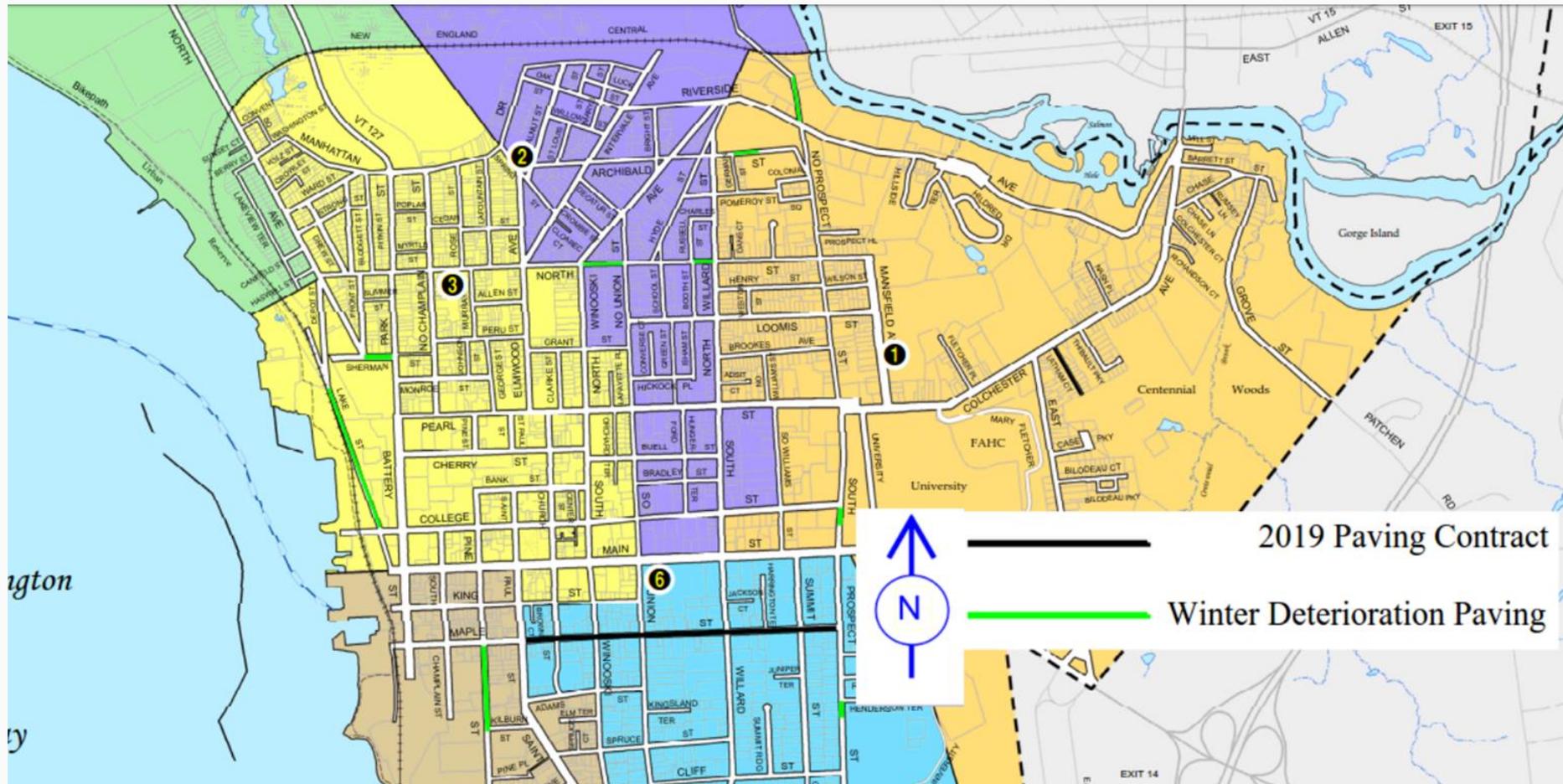
Intervale Rd
Shore Rd
Archibald St
James Ave.
South Prospect at College
South Prospect near Henderson
South Prospect at Overlake Condos
Deforest Rd
Sherman St.
North St. (N Winooski - N. Union)
North St. (Russell - N. Willard)
Pine St. (Maple - Kilburn)
Lake St.



2019 Paving Contract

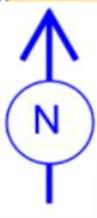
Winter Deterioration Paving





2019 Paving Contract

Winter Deterioration Paving



ington

ty

EXIT 14

Gorge Island

University

FAHC

Colchester Ave

MANSFIELD AVE

RIVERSIDE

ARCHIBALD

NORTH

CHERRY

COLLEGE

KING

MAPLE

SAVING

MANHATTAN

LAUREL ST

CLARK ST

MONROE ST

PEARL ST

CHERRY ST

COLLEGE ST

SAVING ST

LAUREL ST

CLARK ST

MONROE ST

PEARL ST

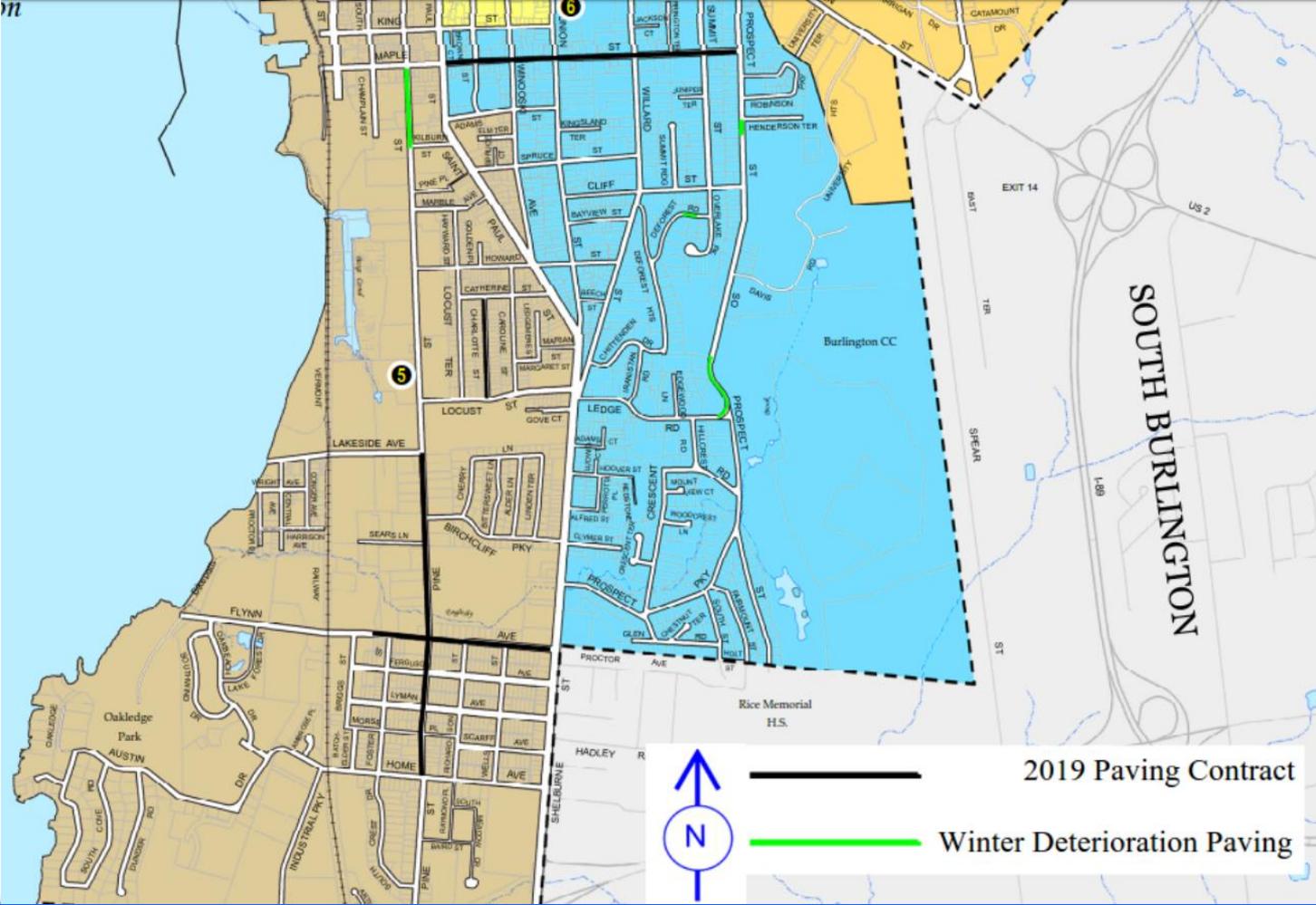
CHERRY ST

COLLEGE ST

SAVING ST

SAVING ST

SAVING ST



2019 Paving Contract

Winter Deterioration Paving





https://www.nytimes.com/2019/02/21/nyregion/winter-weather-manholes-pipes.html

The New York Times

NEW YORK | Manhole Fires and Burst Pipes: How Winter Wreaks Havoc on What's Underneath

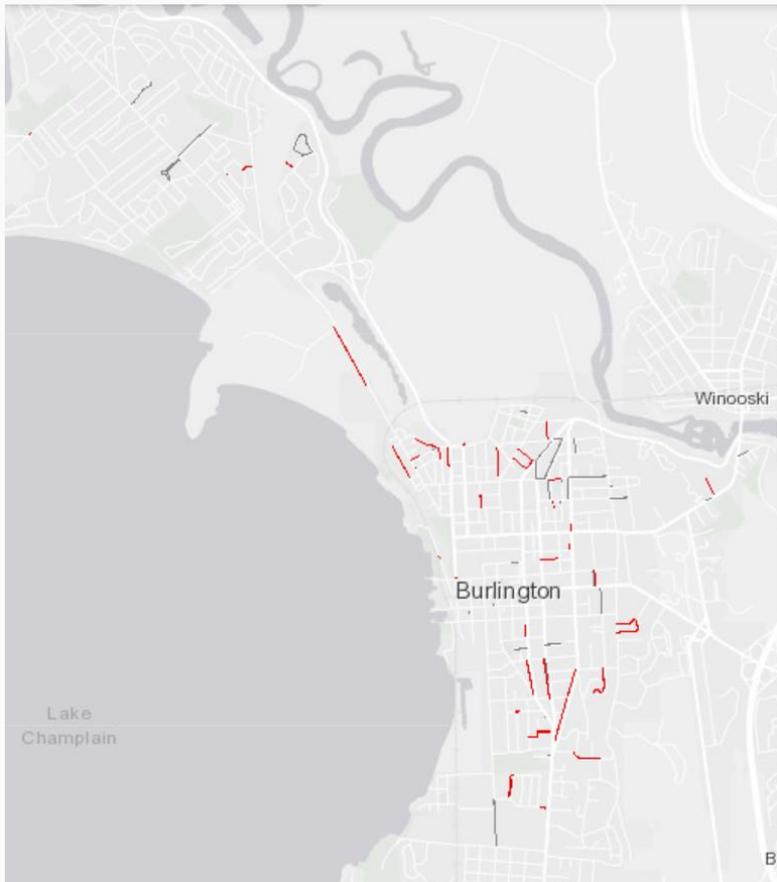
'Freeze-thaws' linked to climate change can imperil utilities

Simply put, more freeze-thaw cycles result in more potholes, he said.

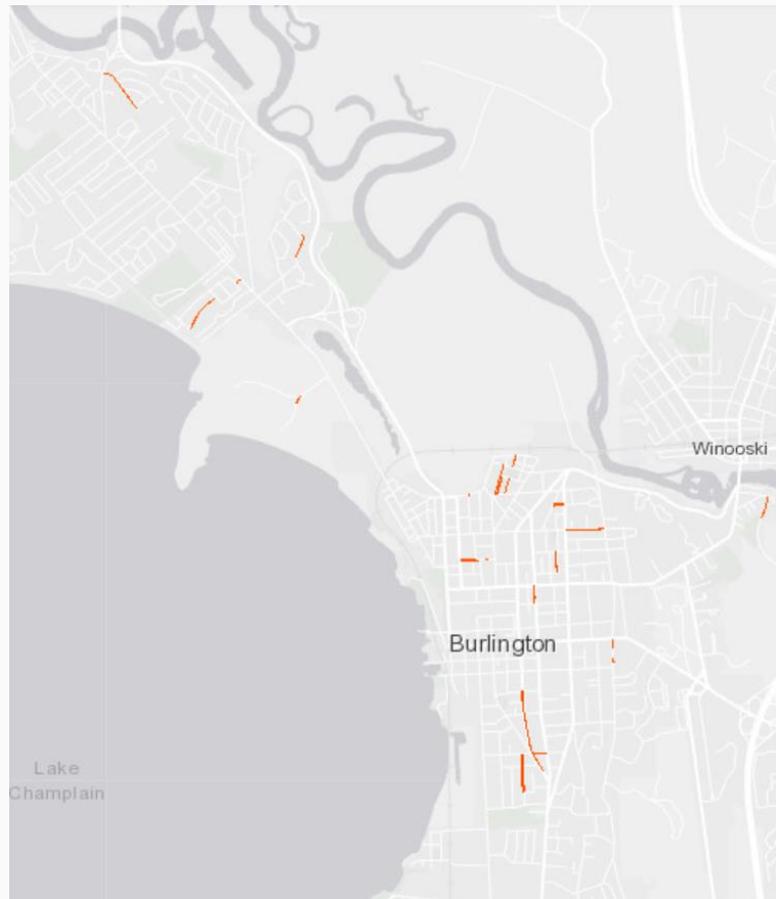
Currently, the department has 25 crews repairing potholes. During peak pothole-repair season in early March, that number can expand to more than 60.



Sidewalks



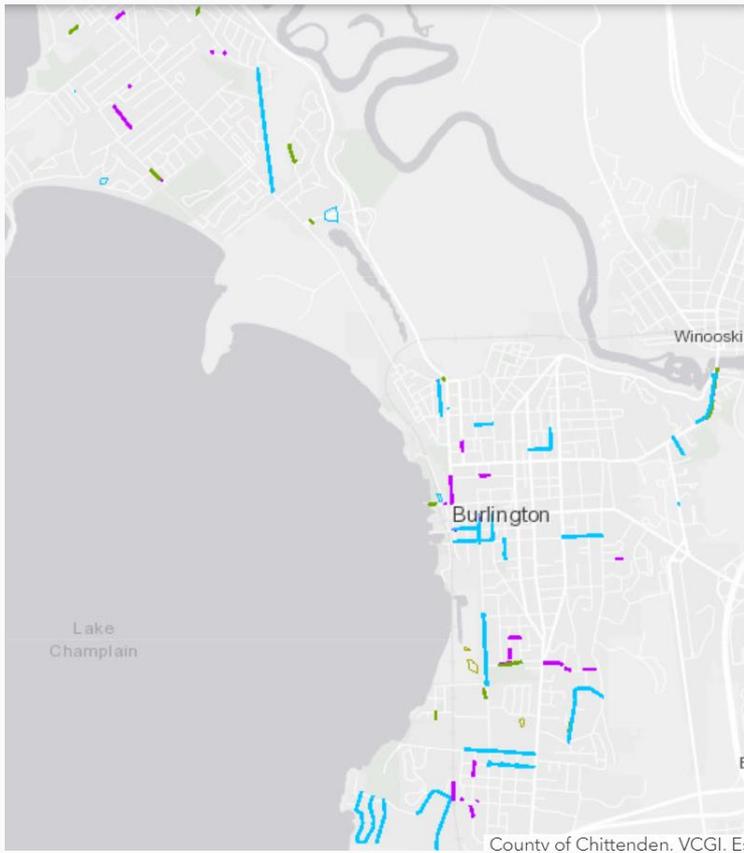
COMPLETED -- 2017 & 2018



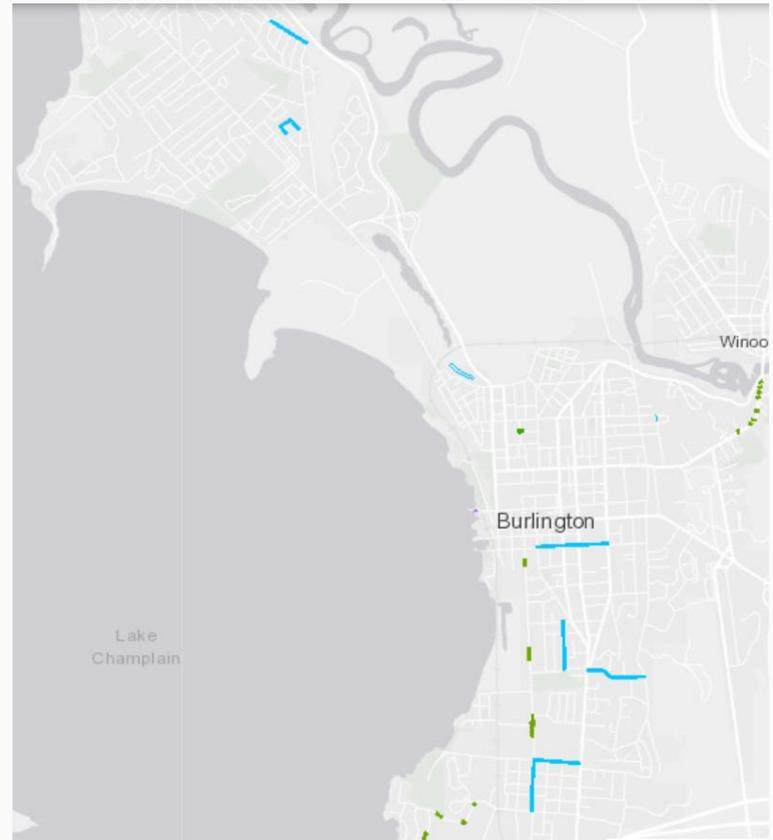
PLANNED -- 2019

Sidewalks

Ongoing water quality
progress



COMPLETED -- 2017 & 2018



PLANNED -- 2019

Water, Sewer & Stormwater Reinvestment



**Mansfield Ave greenbelt
bioretention system**

Ward St bioretention project

**Booth St/Russell St @ North
bioretention Projects**

*(photo above is prior completed project
from North St)*



Allen St subsurface infiltration system

(photo above is example from King St)



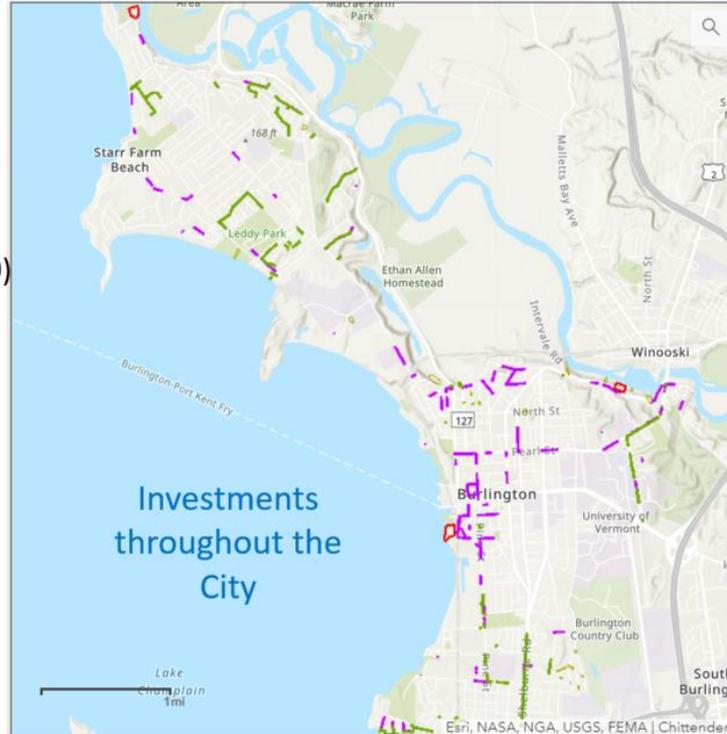
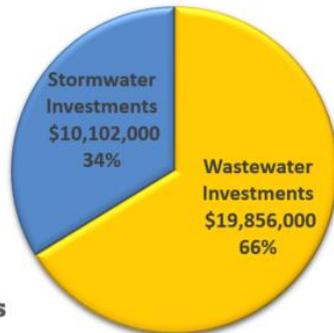
Gully erosion at IV8.0 – Fall 2018 (prior to emergency repair work)

Manhattan Ave outfall repairs

Building resiliency & sustainability into the system

\$30 M OF CLEAN WATER PROJECTS

- November 6, 2018 Bond Vote - **92% Approved**
- Design consultant procurement and CWSRF Loan Acquisition underway and due for completion ~ May 2018
 - SCADA/PLC (Fall 2019)
 - Disinfection System (Winter 19/20)
 - Pump Stations (2020)
 - SW Outfalls (design underway)
- Awarded \$1M in CSO Green Infrastructure Retrofit Grants



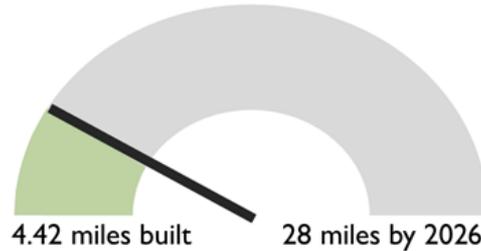
Safety, connectivity and
expanded transportation
choice.

18-month Progress Dashboard

Improve 20 priority intersections by 2026	Increase citywide bike lane miles	Increase city capacity for planning, implementation, and evaluation
30% underway	23% increase	50% increase



9 quick-build projects for pedestrian safety

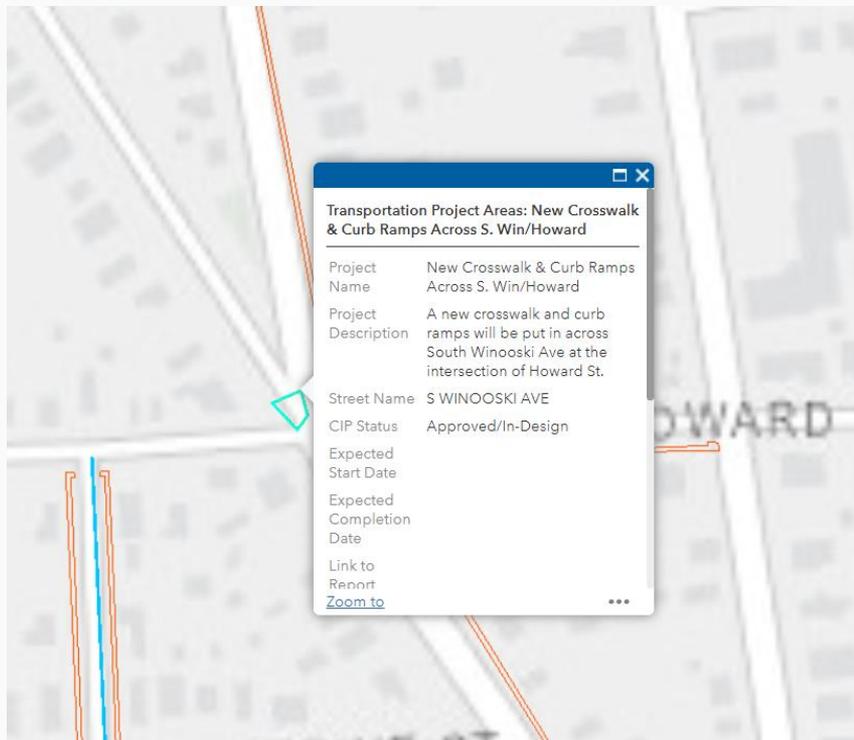


16% of 10-year bikeway goal complete!



100% of new bike lanes used conflict markings at high-volume bus stops

Bike lane miles include separated lanes, buffered lanes, and standard bike lanes. Bikeways include bike lanes, shared lanes, and Greenways.



Quick-Build to Construction: Five Corners

CHAPTER 3: IMPROVEMENT CONCEPTS

Washington Street

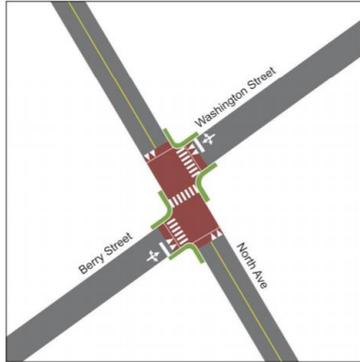
The study team developed one concept for the Washington Street unsignalized intersection. Concept 1 focuses on improving pedestrian safety and calming traffic.

Crossing North Avenue at Washington Street is difficult as a pedestrian. Drivers rarely yield to waiting pedestrians and traffic begins to pick up speed as it exits the Old North End heading northbound. Concept 1 proposes a pedestrian-actuated rapid flash beacon for this crosswalk to better alert drivers of a pedestrian's presence. This intersection's role as the transition between the Old North End and New North End is enhanced in Concept 1 through the use of gateway treatments on all four corners, which may include special streetscaping, pavement, stormwater treatments, or signage. Concept 1 also proposes raising the intersection to sidewalk level to further calm traffic and remind drivers that a pedestrian crossing is nearby. Raised intersections also benefit pedestrians by eliminating the vertical distance between the sidewalk and street level at crosswalks, which also eliminates water ponding since there are no curb ramps.

Concept 1

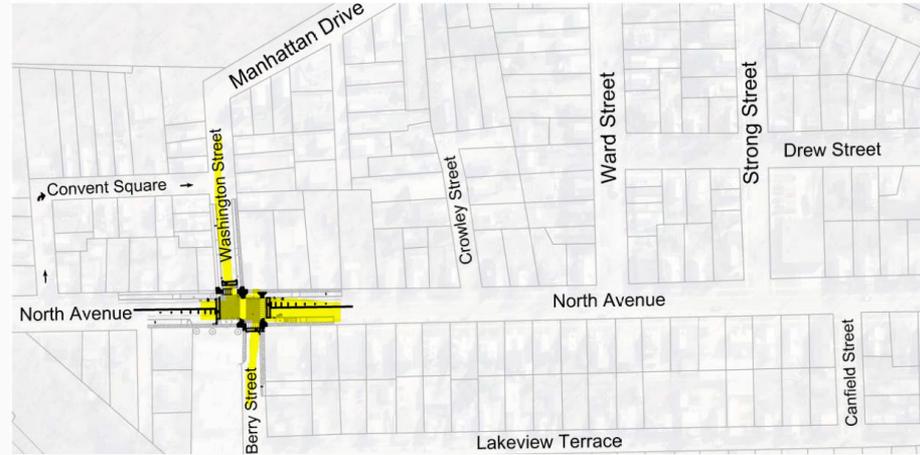
- Pedestrian-actuated rapid flash beacon for crosswalk
- Raised intersection
- Gateway treatments (Old North End and New North End transition)

Figure 93: Washington Street Concept 1



PROJECT LOCATION: ON NORTH AVENUE, AT THE INTERSECTION OF WASHINGTON STREET AND BERRY STREET IN BURLINGTON, VT.

PROJECT DESCRIPTION: WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES GRADING, SUBBASE, NEW 5' SIDEWALK AND CURB, SIDEWALK RAMPS, REMOVAL OF DRAINAGE STRUCTURES, NEW DRAINAGE STRUCTURES, NEW SIGNS, AND OTHER RELATED ITEMS.



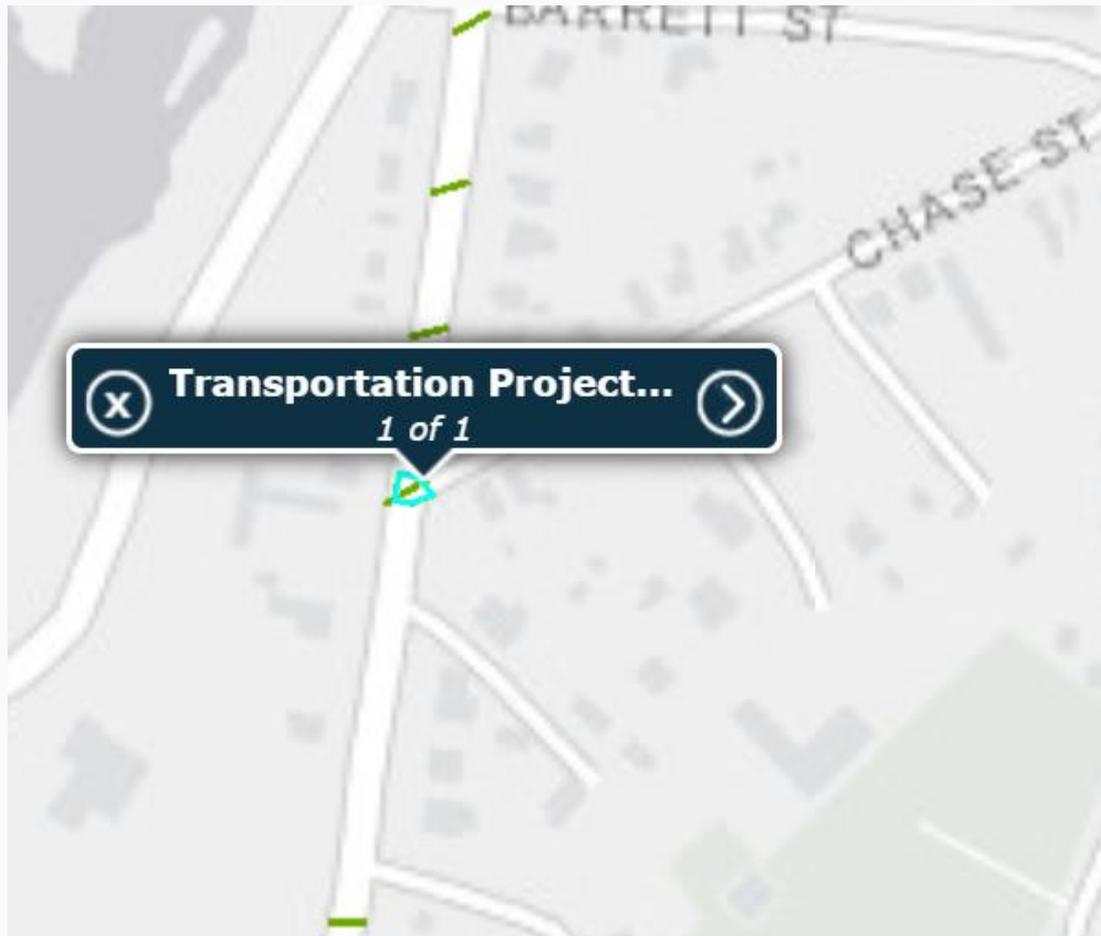
Project Overview

Intersections:

- Ward Street
- Killarney Drive & Village Green Drive
- Poirier Place
- Gosse Court & Dodds Court
- Green Acres Drive & Cayuga Court



LOCATION MAP
NTS



Chase & Colchester Pedestrian Improvements



Electric Transportation

Bike and Scooter Share

Docked. Safer Speeds. Rules of the Road Apply.

UPDATE: We are still reviewing the feedback we've received at our citywide public forum and at the Transportation, Energy and Utilities Committee meeting the following week and evaluating the proposal. You can see the video of the public forum below. We have made requests to the NPAs for their April meeting to come discuss items, including the proposal for e-bikes/e-scooters. Thank you for your interest. Additional questions and comments can be submitted to the email address below.

As part of our ongoing effort to expand transportation options in Burlington, we are beginning steps to build a proposal for a 2019 electric bicycle share and electric scooter share.

Building off last year's Greenride bike share program in our community, Burlington, South Burlington and Winooski are considering a much expanded venture this year with an all-electric fleet of shared bicycles and scooters. With environmental and public health benefits and less impact on roads, communities across the country are adopting this new approach to getting you to home, work, school and play. Let's talk about how this works, the rules of the road and what we need to do to have this new mobility service work for our community. This is a collaborative effort between our three communities, CATMA, UVM, Champlain College, and the CCRPC.



Presentation

View the presentation from the February 12th public forum.

View



FAQs

Read the answers to the most frequently asked questions regarding electric transportation share.

Read



Rules of the Road

We Share the City. Let's Share the Road. See our poster from the 2/12 public forum about rules of the road & common etiquette.

View

- About DPW
- Reinvesting in Burlington: Construction Season 1110
- Parking in Burlington
- Construction Permits
- Recycling & Solid Waste Collection
- Water Resources: Water, Wastewater and Stormwater
- Transportation Policy & Programs
- Transportation Projects & Planning
- Street & Sidewalk Maintenance Operations
- Public Works Commission
- Press Releases

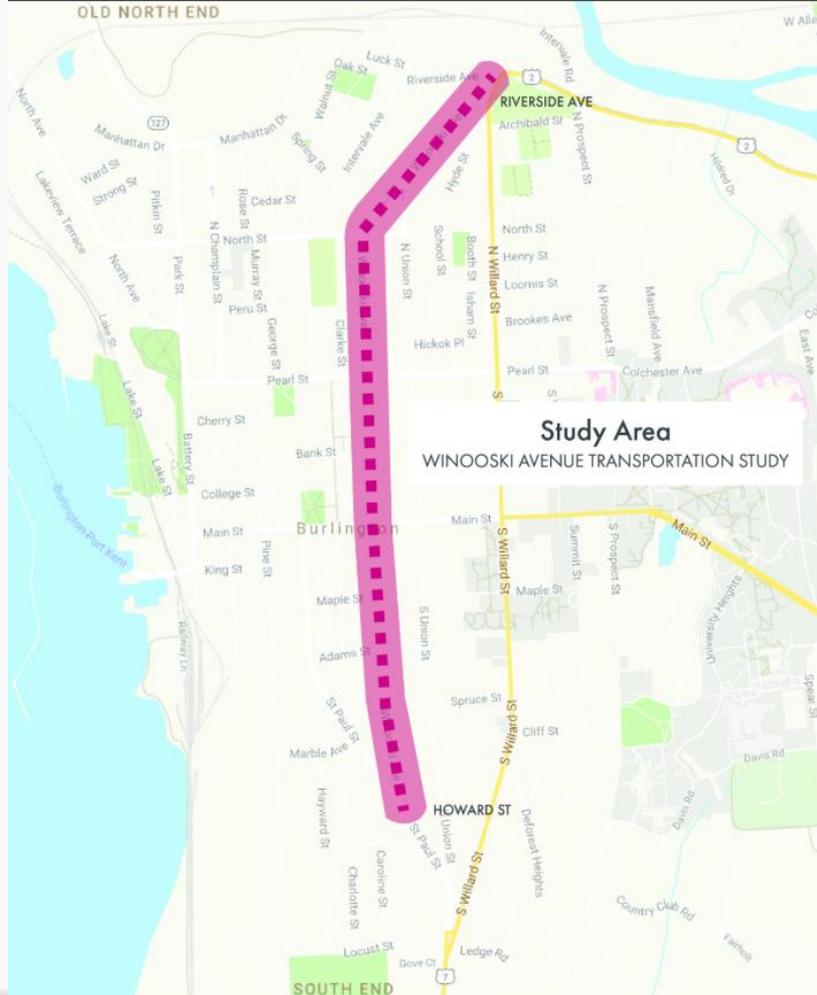
Contact DPW

Water Quality, Main Breaks & Billing: 863-4501/EMAIL

Snow Ban Line: 658-SNOW

DPW Customer Service: 863-9094 /EMAIL

- **Key Principle:** Expanded transportation choice
- **Video of Public Forum available on our Facebook Page & Website**
- **Feedback/Questions:** dpwplanning@burlingtonvt.gov



Winooski Ave Corridor Study

What's going on?



St. Paul Street is getting an upgrade

New bumpouts and crosswalks

Safer, shorter, and more visible street crossing

Wider sidewalks

More comfortable for strolling and accommodating outdoor seating and amenities

More trees

More shade and greenery

Rain gardens

Protects water quality, reduces stormwater pollution

Permeable paving

Captures and filters stormwater, limits runoff

Bike racks

Convenient on-street storage

Street lights

Brighter, safer nighttime with energy-efficient LEDs

New benches

Places to sit and relax

Granite curbs

Elegant, durable street edge

Burying overhead utilities

Hiding unsightly power lines

Great Streets BTV

St. Paul Street from Main to Maple
Fall 2018–Summer 2019



Project Sponsors

City of Burlington
Heidi Mee Westberg
Burlington Public Works
CEDO

Project Partners

S.D. Ireland Companies
Construction Contractor
EIV Technical Services
Construction Observation

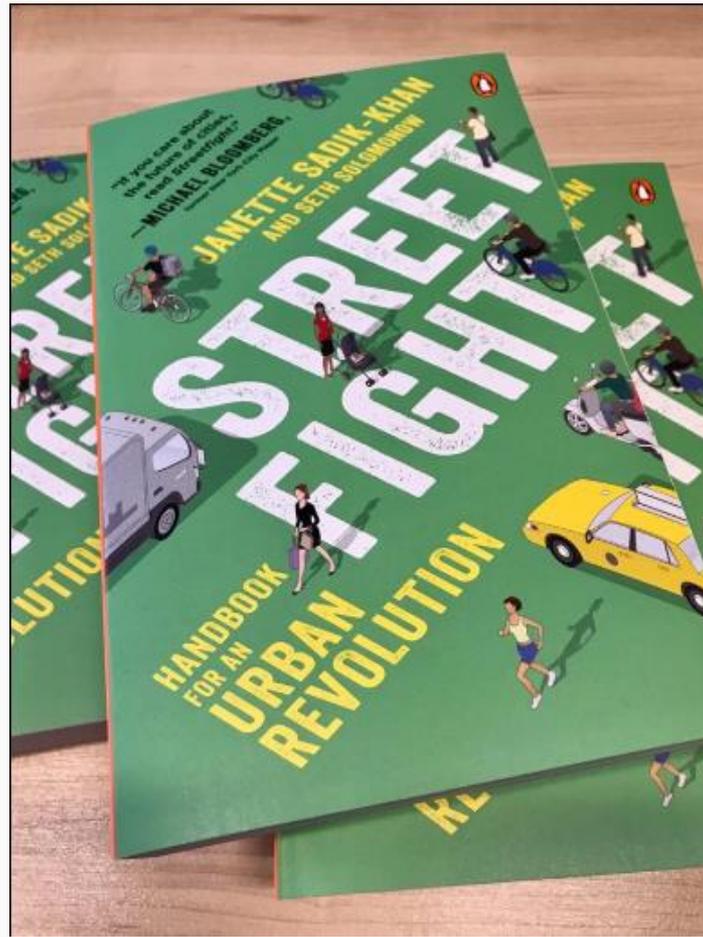
Suisman Urban Design
Master Planner
DuBois & King
Engineer of Record

Learn More

Visit <http://www.burlingtonvt.gov/dpw/GreatStreetsSP>
Call Burlington Public Works at 802. 863. 9094

Great Streets: A Downtown for All of Burlington

Citywide initiatives & upcoming events



Join Us Tomorrow!



APR
18 Water Open House & Wastewater
Treatment Plant Tour

Public · Hosted by City of Burlington Public Works

★ Interested

✓ Going

➦ Share

⋮



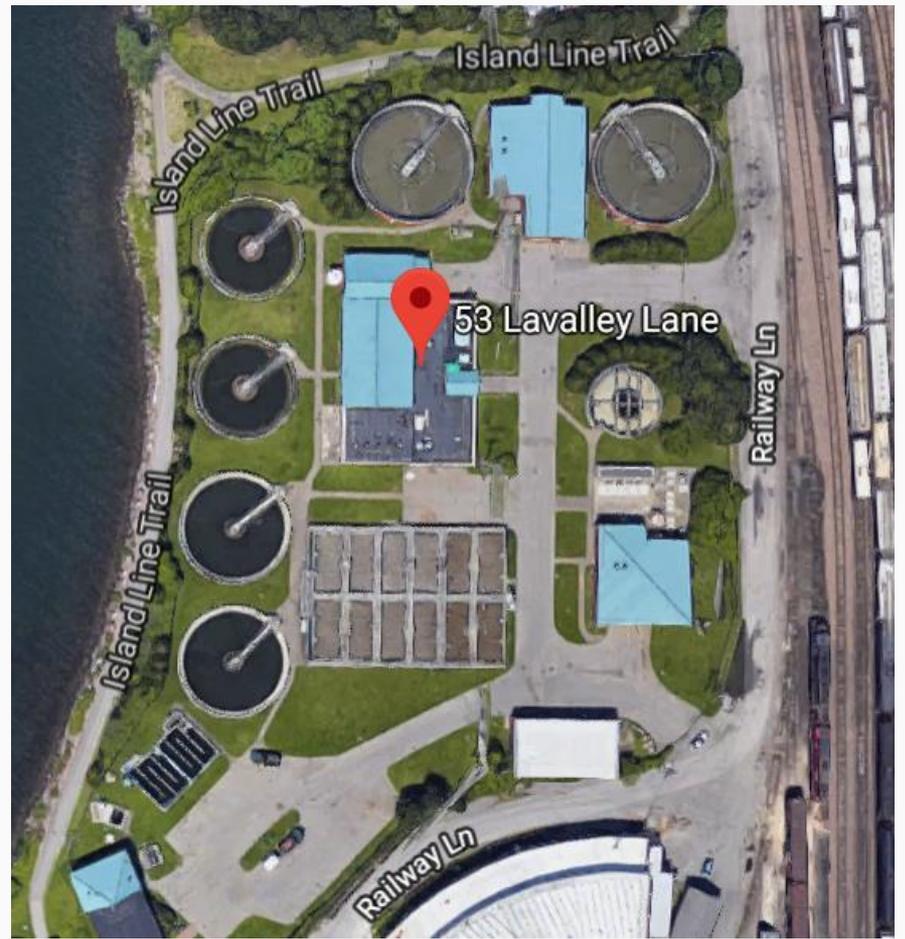
Thursday at 5 PM – 7 PM

3 days from now · 48–54°F Rain Showers



Main Wastewater Treatment Plant, 53 Lavalley Ln,
Burlington, VT 05401-5264, United States

Show Map



WWTP Tours thru October



PUBLIC WORKS

OPERATION CLEAN SWEEP

is coming to Your Neighborhood!

SPRING 2019

STARTING April 24th

UNTIL MAY 3rd 2019

Streets will be swept on the following dates:

ZONE A - New North End (East-Side)	– Wednesday	April 24th
ZONE B - New North End (West-Side)	– Thursday	April 25th
ZONE F - Downtown	– Sunday	April 28th
ZONE G - Old North End	– Monday	April 29th
ZONE D - Hill Section	– Tuesday	April 30th
ZONE E - University Area	– Wednesday	May 1st
ZONE C - South End	– Thursday	May 2nd

Sweeping will begin at 10:00 p.m. and last until 7:00 a.m.

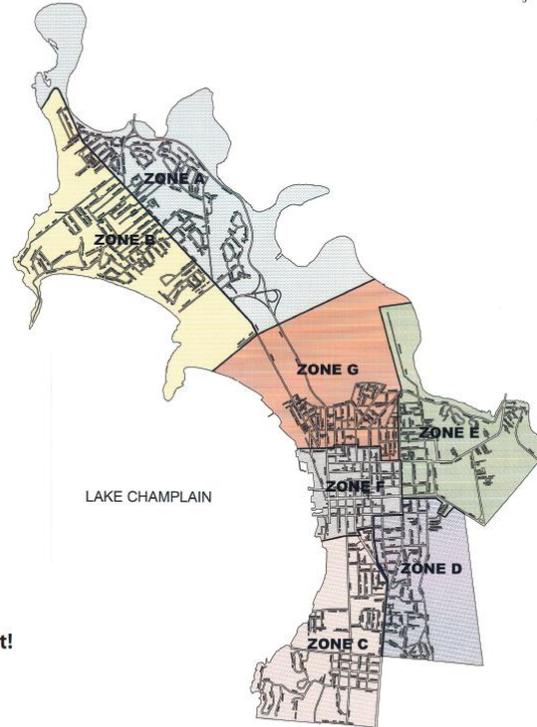
Please remove any vehicles from the streets on your night!

Your cooperation will make the operation of sweeping the streets go faster and smoother!

Any questions please call 863-9094x3, 658-7669 or
log on to our web site at www.burlingtonvt.gov/dpw

BROUGHT TO YOU BY BURLINGTON PUBLIC WORKS

CITY OF BURLINGTON
STREET SWEEPING ZONES



Maintenance Lights will be flashing in order to alert you that the City of Burlington will be sweeping soon! Please watch for the lights to be on in your area.
“When the lights are on the cars are gone from 10:00 PM to 7:00 AM.”

<https://www.burlingtonvt.gov/DPW/Clean-Sweep>

Operation Clean Sweep



BTV Rain Barrel Workshop, May 4



Water Quality Day -- May 30

Resources

- **BTV Construction Portal**, including a map and list of all 2019 paving, sidewalk and water projects: [burlingtonvt.gov/construction](https://www.burlingtonvt.gov/construction)
- **Report non-emergency maintenance requests:** SeeClickFix.com
- **DPW Customer Service:** 802-863-9094
- **Water Resources, including 24/7 urgent support:** 802-863-4501/water-resources@burlingtonvt.gov
- **Sustainable Infrastructure Plan & Construction Season Info:** [burlingtonvt.gov/DPW/Reinvestment](https://www.burlingtonvt.gov/DPW/Reinvestment)

SeeClickFix 311 Mobile Apps Info for Orgs

Burlington, VT

[Change location]

Issues Answers Neighbors Watch Areas

 **Colchester Ave Update** [View Notice](#)

 **Winter Road & Infrastructure Maintenance** [View Notice](#)

 **SeeClickFix should not be used to report emergencies.** [View Notice](#)

Search Issues...



Street Pavement Condition: Pothole ▶ Closed



0 thanks

SAY THANKS!

Tracy Drive Burlington, VT

Tracy Dr; Numerous potholes that are getting bigger by the day.
03/28/2019 · Reported by [Burlington,VtCollaborativeNeighbor](#) · [Flag](#)



ACKNOWLEDGED [DPW Pine Customer Service](#) (Verified Official)

Thank you for reporting this issue. The Department of Public Works will now begin its investigation into the matter.
03/28/2019 · [Flag](#)



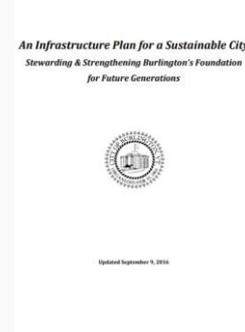
CLOSED [Streets Maintenance Manager](#) (Verified Official)

The Department of Public Works has resolved this request. Thanks for helping to keep Burlington a great place to live and work.
This was filled with cold patch on 3/29/19.
about 2 hours ago · [Flag](#)

Write a comment...

PROJECT DEVELOPMENT: WHAT INFORMS OUR WORK

- Residents
- City Plans
- Federal & State Policy
- Intergovernmental Coordination
- Private Development
- Available Funding



SeeClickFix

