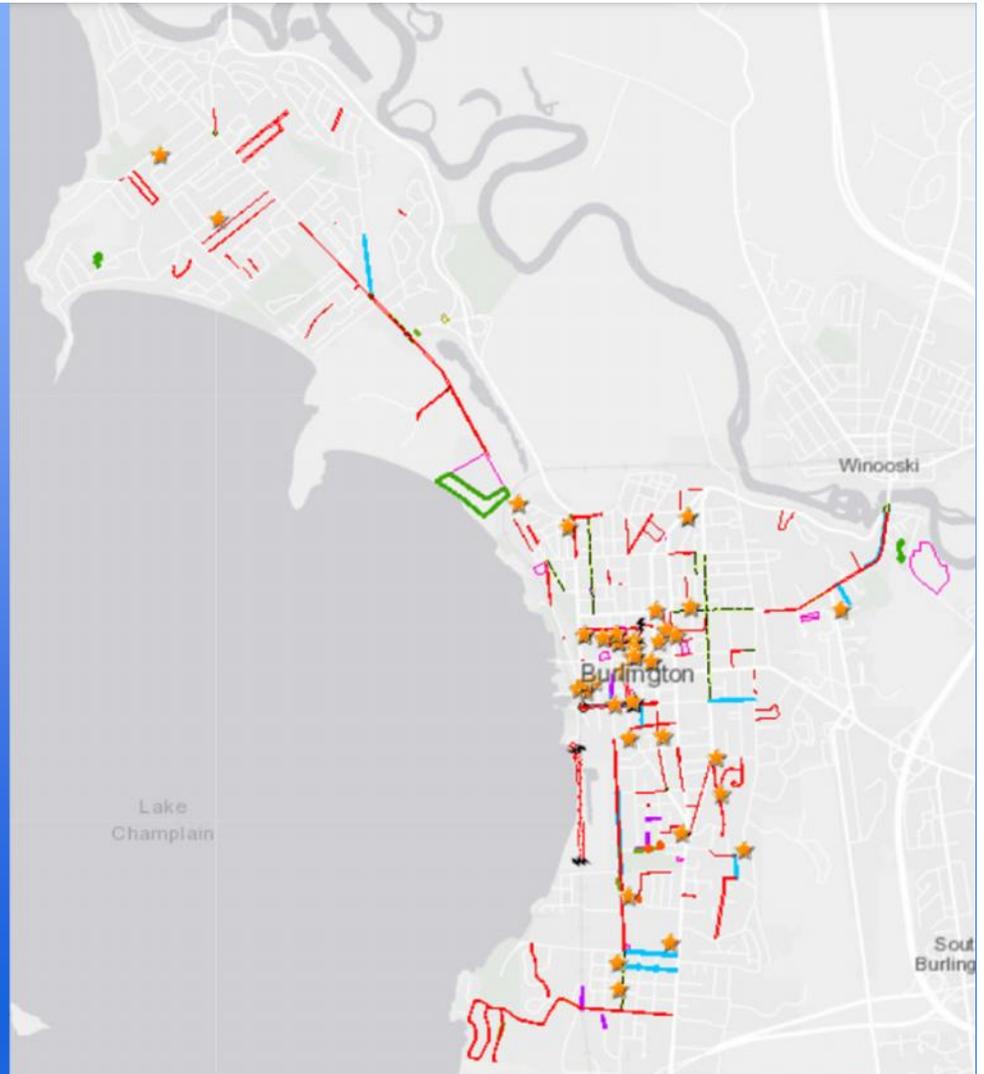




City Council Presentation
April 30, 2018



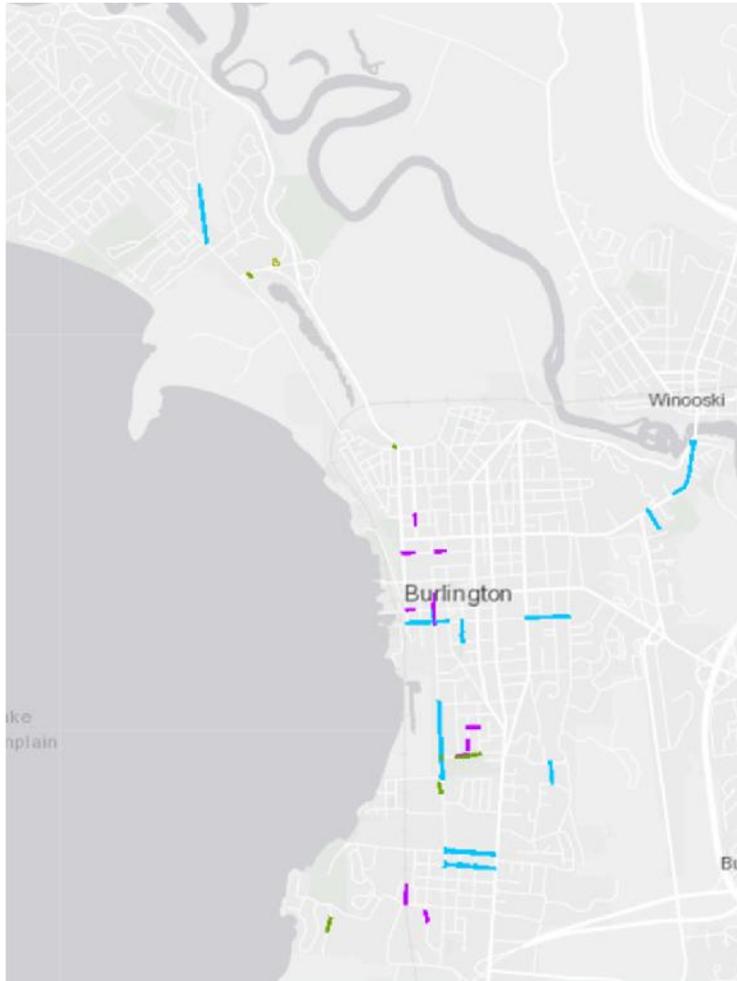
Year 2:
Sustainable Infrastructure Plan



CAPITAL REINVESTMENT	Past Annual Investment	2017 Final	2018 Min Target	2018 Max Target
Paving	~ 3 miles	5.13 miles	6.27 miles	7.84 miles* <i>(includes 1.44mi patching)</i>
Sidewalk Reconstruction	~ 1 mile	3.0 miles total	2.97 miles	3.71 miles*
Water Main Relining	As needed	1.78 miles	1.84 miles	2.38 miles*
Water Main Replacement	As needed	0.44 miles	1.2 miles	1.5 miles*
Curb	As needed	0.62 mile	0.54 miles	0.68 miles*
Sewer/Stormwater Pipe Rehab	As needed	\$165k	\$246K (0.81 mi)	\$307k (1.01 mi)
PREVENTATIVE MAINTENANCE	Past Annual Investment	2017 Final	2018 Min Target	2018 Max Target
Crack Sealing	0	5.46 miles	4.0 miles	5.0 miles
Sidewalk Cutting	0	\$50k	\$40K	\$50K

*This work includes carryover from prior construction year

2018 CAPITAL CONSTRUCTION TARGETS



Total Construction Year 2018 Water Rehab Work

~3.88 mi

Water Main Rehab Carryover

Relining: 0.95 mi

Replacement: 0.96 mi

Water Main Rehab - 2018 New Contract

Relining: 1.43 mi

Replacement: 0.54 mi

Water Main Rehab

Relining

Allen Street (all)
Charlotte Street (all)
Flynn Ave (255 Flynn to Shelburne)
Hillcrest Road (all)
Maple (South Willard to South
Prospect)
Maple (Pine to St. Paul)
Pine St (Howard to Lakeside; Main to
Maple)

Replacement

Ethan Allen Parkway (Lopes Ave to North
Ave) -- *scheduled during school recess to
minimize traffic impacts*
Church Street (Adams Street to Maple
Street) -- *scheduled later in season to
minimize Lower Downtown disruption*
Maple (Battery to Pine)
Colchester (Barrett to Nash)
Latham Ct
Ferguson (Pine St to Shelburne Rd)



Total Construction Year 2018 Paving Work

Up to 7.84 mi of paving and patching

Paving Carryover

Plattsburg, Cherry, Manhattan, Lakeview
Cemetery: ~0.6+ mi

Paving - 2018 Original List

Reclaim: 3.2 mi
Mill & Fill: 0.34 mi

Paving - 2018 Addendum (response to Winter conditions)

Reclaim: 0.61 mi
Mill & Fill: 1.65 mi
Patching: 1.44 mi



PLATTSBURG AVE PAVING, 4/27

ORIGINAL Cal Year 2018 Paving Plan			
Street Name	Section	Length	Type of Work
Austin Dr	All	0.32	Reclaim
Birch Ct	All	0.38	Reclaim
Cayuga Ct	All	0.25	Reclaim
Colchester Ave	Barrett St – Nash Pl	0.34	Mill & Fill
Crescent Road	Prospect - Hillcrest	0.38	Reclaim
Dorset Ln	All	0.05	Reclaim
Dunder Rd	All	0.29	Reclaim
Maple ST	Battery – St. Paul East of Intersection	0.22	Reclaim
Oakbeach Dr	Flynn – Ledgewood Cir	0.21	Reclaim
South Cove	All	0.66	Reclaim
Pleasant Ave	All	0.44	Reclaim
Total Reclaim		3.2	MILES Reclaim
Total Mill/Fill		0.34	MILES Mill/Fill

2018 Original Proposal

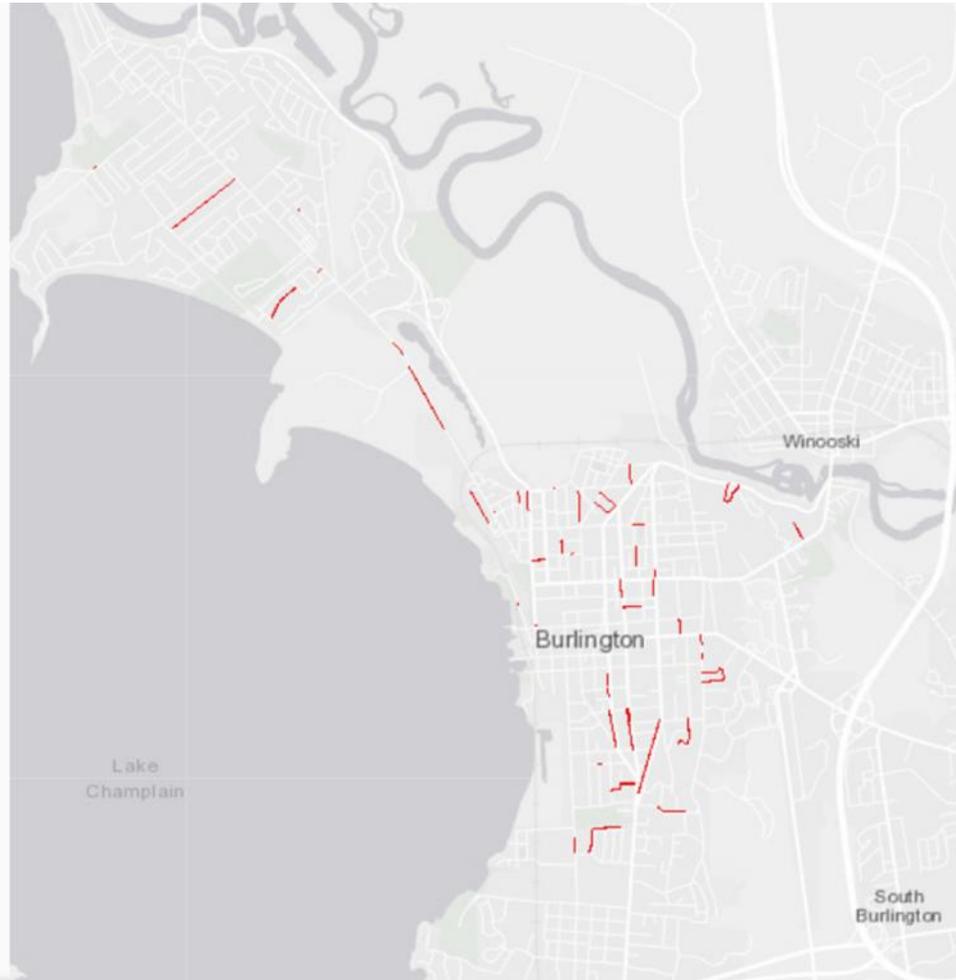


PINE ST GRADING, 4/30

Winter Deterioration Paving & Pavement Patching

Street	Section	Length	Type of Work
Pine St	Flynn-Lakeside	0.42	Reclaim
Pine St	Lakeside -Kilburn	0.4	Modified Mill & Fill
North Ave	Lakeview Cem-Ethan Allen Parkway	1.06	Mill & Fill
North Ave	Ethan Allen Parkway – Shore Road	0.52	Patching
North Ave	Strong – Crowley	0.25	Patching
Colchester Ave	Nash Pl-East Ave	0.19	Mill & Fill
Colchester Ave	East Ave – University Pl	0.32	Patching
Park St	Manhattan-North St	0.19	Reclaim
North St.	N. Union – Hyde St	0.19	Patching
College Street	S. Union – S. Willard	0.07	Patching
Maple St	Church St – S. Winooski	0.09	Patching
Total Reclaim		0.61	MILES Reclaim
Total Mill/Fill		1.65	MILES Mill/Fill
Total Patching		1.44	MILES Patching

2018 Addendum -- Winter Deterioration



SIDEWALKS 2018: ~3.71 miles

By The Numbers: Sewer & Stormwater Rehab

0.67 miles of sewer and combined sewer rehab

0.34 miles of stormwater pipe rehab

Investment Comparison:

	2017	2018
Sewer Rehab	\$45K	\$172K
Stormwater Rehab	\$120K	\$135K

ENGAGEMENT

January 2018



We steward Burlington's infrastructure and environment by delivering efficient, effective and equitable public services

Public Engagement Plan

OVERVIEW

Best practices, public safety, regulatory requirements and the needs of the community inform every decision we make. DPW undertakes a variety of projects and performs a variety of services in Burlington. Finding the right ways to reach the community and providing opportunities for the community to reach us are essential elements of effective public engagement. This engagement strategy will be tailored to meet the needs of our city.

Burlington is a dynamic and diverse city with residents who deserve and expect well planned, well-built and properly maintained infrastructure. As Vermont's largest city, with a population of over 40,000, Burlington has a wide range of residents, business owners, students, commuters and tourists who come to rely on DPW-provided services and infrastructure. From recycling and street maintenance to the implementation of long-term capital projects, our neighbors and visitors should have meaningful opportunities to be informed, to provide input and to make recommendations to DPW's planning process.

This plan uses the Community, Economic, and Development Office's (CEDO) civic engagement framework as a guide and directly references their 'Core Values of Civic Engagement'¹ below, and provides a step toward helping DPW achieve its public engagement goals while continuing to serve Burlington. This plan will evolve as public engagement tools expand and as DPW and the community refine the public engagement process.

¹ These are cited directly from a draft CEDO civic engagement document and are based on a version Alexandria, Virginia previously published.

Community Outreach Conducted

Neighborhood Meeting -- Lower Downtown, 3/14
Public Works Commission Meeting, 3/21
Ward 5 NPA, 3/15
Ward 4&7 NPA, 3/28
New American Burlington Parents (hosted by BSD), April 3
April North Ave News Column
April BED bill insert
Ward 6 NPA, 4/5
Ward 1&8 NPA, 4/11
Ward 2&3 NPA, 4/12
Stakeholder Meeting
Citywide & Neighborhood Front Porch Forum Posts

Business Outreach Conducted

BBA Action Groups
Downtown Parking and Transportation Council, 3/29
SEABA Business Meeting, 4/20
Individual Business Visits & Outreach

Upcoming

Refugee & Immigrant Service Provider Network Meeting, May 17

Ongoing

Front Porch Forum
Church Street Marketplace Friday Newsletter (~monthly)
Digital Engagement
NPA's
Community & Business Outreach



LOWER DOWNTOWN CAPITAL PROJECTS & LOWER PINE STREET

DRAFT SCHEDULE

SUBJECT TO REVISION

=planned construction work
 =unplanned extra construction work window

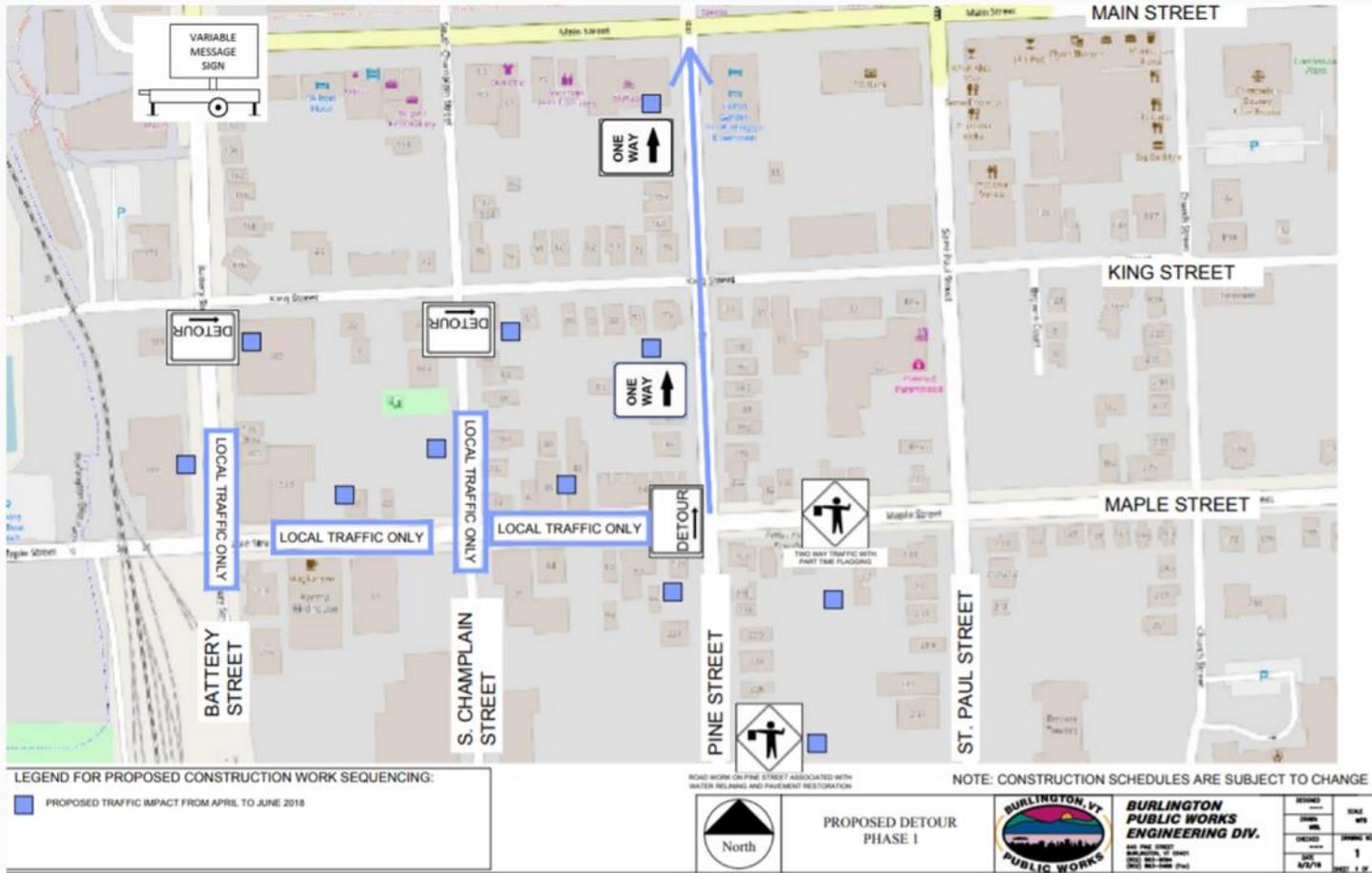
PROJECT	APRIL					MAY				JUNE			
	2	9	16	23	30	7	14	21	28	4	11	18	25
Maple (Battery to Pine) Water Main Replacement													
Maple (Pine to St Paul) Water Main Relining													
Pine (Maple to Main) Water Main Relining													
Maple & Battery Traffic Light Upgrade													
St Paul Great Streets Work													
Maple (Battery to St. Paul) Paving													
Pine Street Relining (Lakeside to Howard)													
Pine Street Paving (Flynn to Kilburn)													
Church (Maple to Adams) Water Main Replacement													

Marathon 5/27

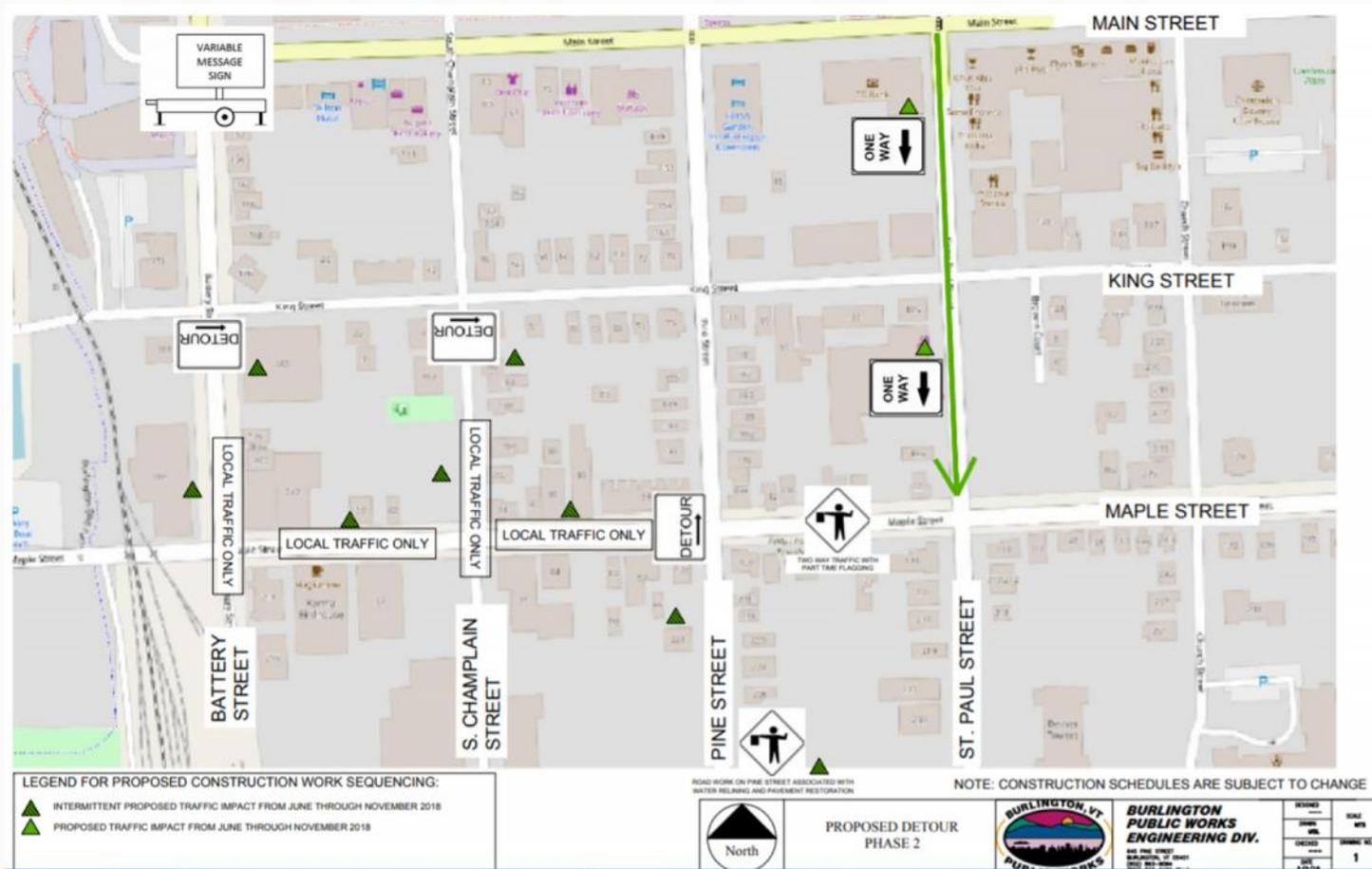
Phase 1
 Pine One Way
 St. Paul two way

For additional details, please visit burlingtonvt.gov/DPW/reinvestment

LOWER DOWNTOWN CAPITAL PROJECTS & LOWER PINE STREET



LOWER DOWNTOWN TRAFFIC MAP PHASE 1: APRIL - JUNE



LOWER DOWNTOWN TRAFFIC MAP PHASE 2: JUNE-NOVEMBER

Pine Street Water Mains – Howard to Lakeside (Two Parallel Water Mains)

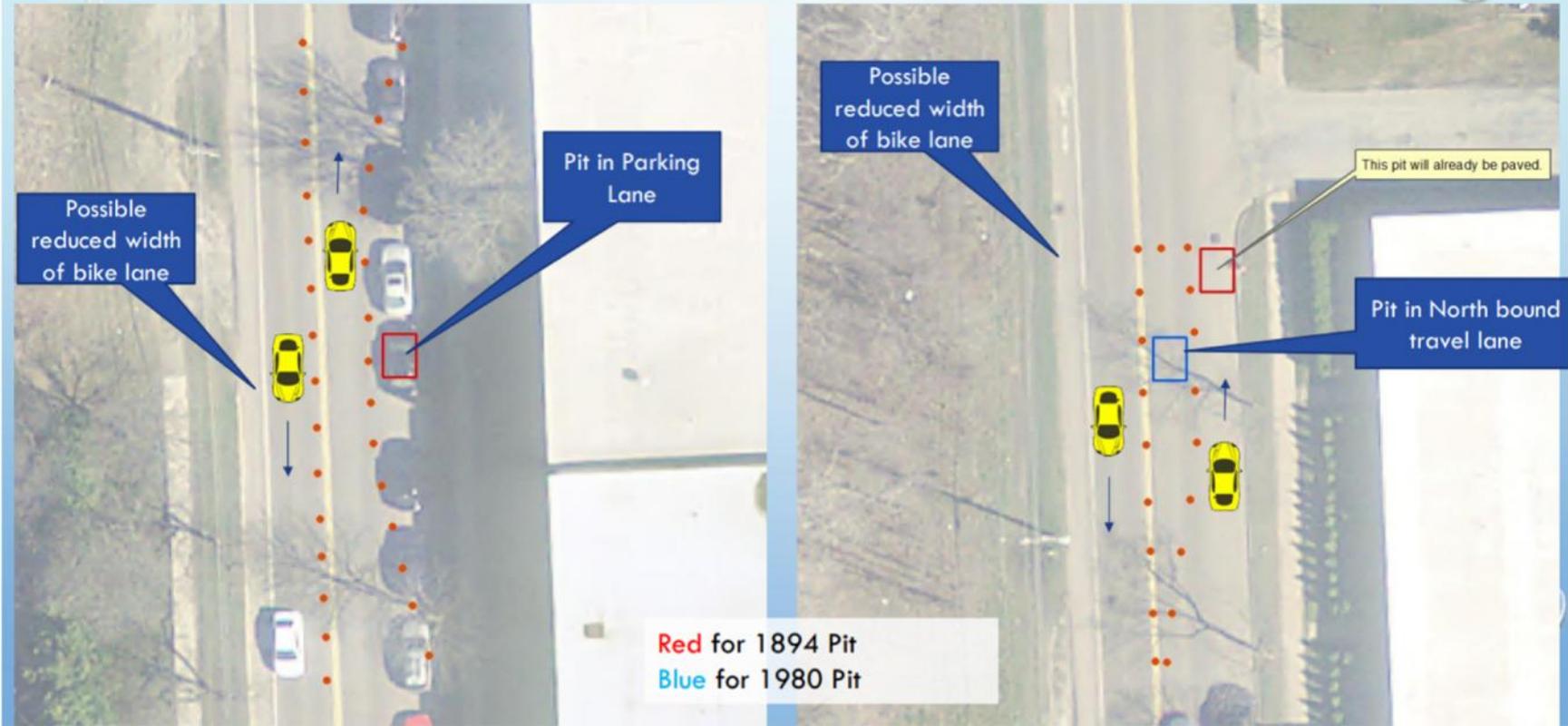


PINE RELINING: HOWARD TO LAKESIDE

Pine Street General Traffic Flow Patterns

1894 Water Main Pit Work

1980 Water Main Pit Work



PINE RELINING: HOWARD TO LAKESIDE - POSSIBLE TRAFFIC PATTERN

Community Resources

BTV Construction Portal, including a map or list of all 2018 paving, sidewalk and water projects: 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

Robert Goulding, Public Information Manager,

RGoulding@burlingtonvt.gov, 802-881-2278