

# BURLINGTON PUBLIC WORKS



## 2019 Construction Season Review and 2020 Planning

# Sustainable Infrastructure Plan

	Annual Investment before Nov 2016 capital bond	2017	2018	2019 In Progress (End Of Year Calculations Underway)
Paving	~ 3 mi.	5.13 mi	7.37 mi	<b>4.34 mi</b>
Sidewalk Reconstruction	~ 1 mi.	3 mi 1.25 DPW 1.75 contractor	2.86 mi 1.26 DPW 1.6 Contractor	<b>2.77 mi</b> <b>0.85 DPW</b> <b>1.92 Contractor</b>
Water Main Relining	As needed	1.78 mi	1.93 mi	<b>1.85 mi</b>
Water Main Replacement	As needed	0.44 mi	1.5 mi	<b>0.1 mi</b>
Curb	As needed	0.62 mi	0.53 mi	<b>0.15 mi</b>
Sewer / Stormwater Pipe Rehab	As needed	\$165k	\$272k	<b>\$455k</b>

## 2019 Concerns & Issues:

- External Issues
  - Duration of projects and projects that start and stop
  - Desire for more frequent and accurate communication, more online resources
  
- Internal Issues
  - Coordination with private laterals and service lines
  - Determining appropriate level of pre-construction testing, locating, and analysis given challenges with soils, insufficient utility mapping

## 2020 Challenges:

- Continued high volume of work stretching staff resource
- Open WR Engineer position – first two recruitment rounds unsuccessful
- Expanded Water Resource work on major roadways

## Planned & Potential Improvements - 1:

- Contract scope:
  - Combine paving, water, and other capital work into one contract where multiple assets are being rehabbed in the same season:
    - Lakewood
    - Tallwood
    - Howard / St Paul / S Winooski
    - North Prospect
- Contract terms:
  - Bid early and allow pre-July 1 work when other municipalities not ready
  - Consider performance bonuses
  - Consider bid requirements to demonstrate years of experience and financial viability
  - Tie milestones to duration of work on critical streets

## Planned & Potential Improvements - 2:

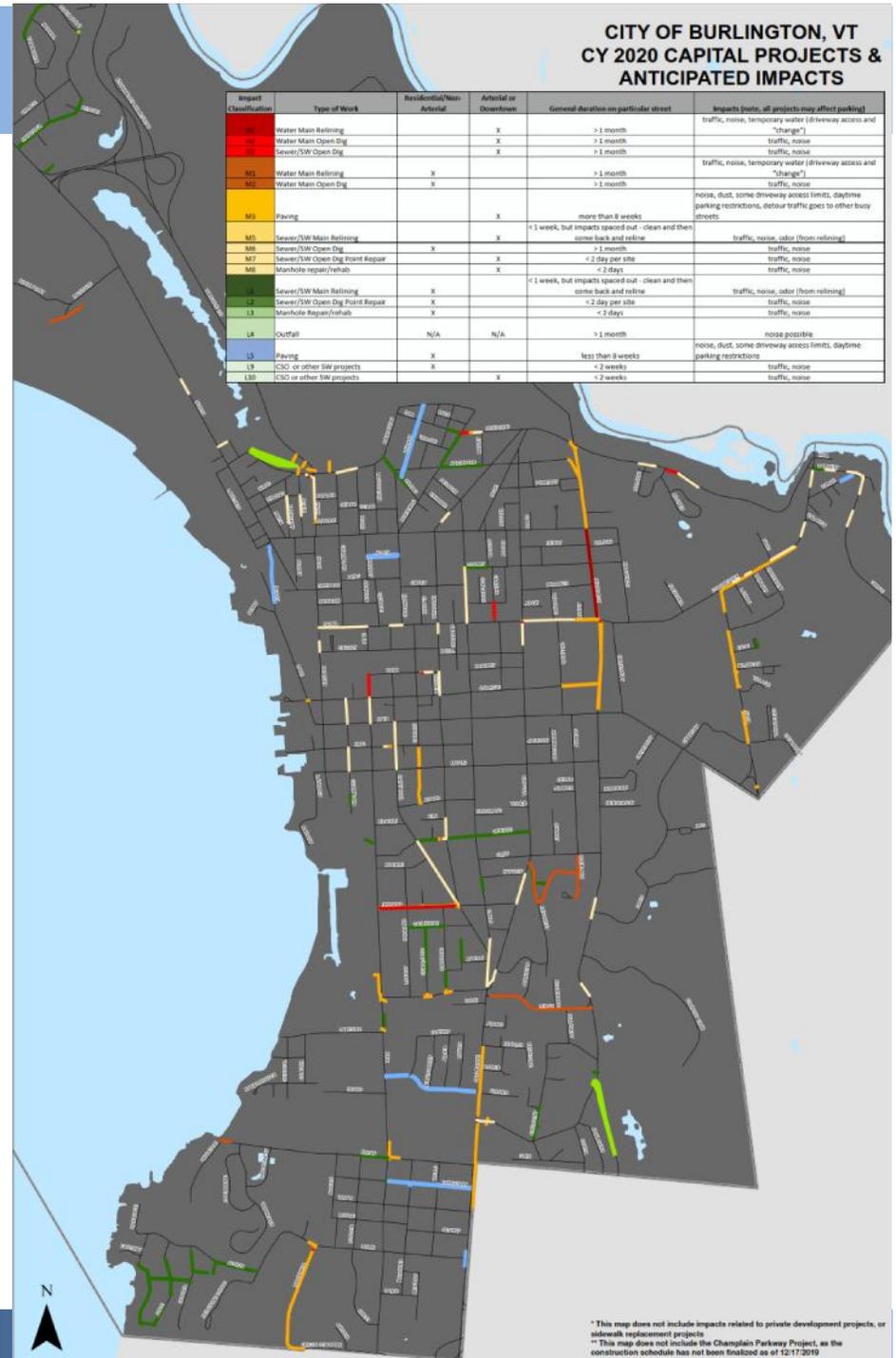
- Parking management:
  - Permit staff and contractor vehicles to park in regulated areas excepting ADA spaces
  - Permit short-term use of RPP on-street parking for displaced residential vehicles
- Hire Resident Engineer early to:
  - Review constructability
  - Review and amend, if necessary, construction bid packages
- Develop service line / lateral strategy for Water and Wastewater projects
  - Work with City Attorney to develop modified approach

### Planned & Potential Improvements - 3:

- Hone communications:
  - Explain to public what we learned in 2019 and how we're responding
  - Upgrade construction portal and upload 2020 projects loaded by end of February
  - Develop webpages specifically for sidewalk reconstruction and crosswalks
  - Explain coordination strategy with 2020 projects, Parkway and Roundabout to South End
  - Consider May BBQ as part of Public Works Week to have public meet staff and learn about projects



# 2020 Planned Capital Projects in Downtown and South End (does not include sidewalks)



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