



February 22, 2018

TO: Transportation, Energy, and Utilities Committee

FROM: Nicole Losch, PTP, Senior Planner

RE: *planBTV Walk Bike* – Implementation Update

Recommendations

No action is required. This item is for discussion only.

Introduction

In April 2017, the City Council approved PlanBTV Walk Bike, Burlington's road map to improve walking and biking in Burlington. PlanBTV's two goals are to create safer streets for everyone and to make walking and biking a viable way to get around town. During the community outreach for PlanBTV Walk Bike, the top priorities identified by the public were implementing more protected bike lanes and creating a more connected and continuous bicycle network with safer and easier intersection crossings.

2018 will see substantial investment in new facilities for walking and biking as we implement planBTV Walk Bike. The focus is to:

1. Improve safety
2. Build AAA facilities for all ages and abilities
3. Connect the network
4. Use quick-build strategies for widespread rapid implementation

Plans for walkability will focus on safety: shorter crossings, better visibility at crosswalks, and slower vehicle turning at intersections. Curbside amenities will also be included. Plans for bikability will focus on safety, AAA facilities, and connectivity.

Of the projects planned for implementation in 2018, no new regulatory changes should be needed other than those already approved by the Public Works Commission. Many projects can be successfully implemented with only minor adjustments (no regulatory changes).

2018 Bike / Ped Improvements

Safety

AAA Facilities (all ages and abilities)

Connectivity



Green markings
in bikeways



Intersection
safety



Bikeways for
all ages

Legend

- Green conflict markings
- ★ Quick Build intersection improvement
- New Bikeway
- Existing On-Road Bikeway
- Existing paved path

2018 Bikeways

- 1: Lakeview Terrace Greenway
- 2: North Avenue northbound bike lane
- 3: Old North End Greenway
PBLs: Sherman Street, N. Champlain,
Elmwood Ave, Union St
- 4: Willard Street bike lane direction change
- 5: Colchester Ave sidepath
- 6: Pearl Street Bike lanes
- 7: North Champlain 2-way PBL (one travel lane)
- 8: Depot Street Greenway
- 9: College Ave bike lane through intersection
- 10: Pine Street bike lane extension southbound
- 11: Austin Drive PBL / Oak Beach Greenway
- 12: Cambrian Rise DPRW Path

Not shown: additional shared lane markings

Planning / Design for 2019 Projects

Winooski Avenue Corridor Study
Mansfield Ave Sidepath design
Bike Share Siting and Analysis



Next Steps

Project schedules are still in development but will be updated on the City's Construction Portal, available online at <https://www.burlingtonvt.gov/construction>. Outreach for individual projects will vary in advance of construction, but will follow the Public Engagement Plan and may include:

- Pop-up meetings and demonstrations for the Old North End Greenway
- Flyers
- Quick-build informational signs
- Social media and Front Porch Forum posts

The Union Street protected bike lane was our first quick-build installation in 2017. We have received very little direct feedback, but have heard anecdotally that access by bike can be challenging after snow events as sidewalk / driveway / street plowing pushes snow back and forth and in and out of the bike lane; driveway clearing is more difficult for adjacent properties who also now clear snow more frequently; bollard spacing around driveways has been challenging in some locations; and the roadway in general feels too narrow with the barrier elements installed. With this information and with feedback from DPW's street maintenance division, we continue to assess the layout, the materials, snow removal techniques, and the potential seasonality of the protected bike lane. Spring will see refreshed materials and summer will provide an opportunity to decide our plan of action for winter 2018/2019.

DPW is entirely focused on project installation for at least this first quarter of the year to ensure planned projects can be constructed this season. We will also continue to work with the Walk Bike Council, Local Motion, and the planBTV Walk Bike Implementation Committee that was recently created to discuss project details and the overall work plan. Using the planBTV Walk Bike Action Plan and opportunities to coordinate construction with other DPW projects, we will continue to prioritize and advance new projects for the 2019 season.

We welcome additional feedback from you and your constituents on this year's plans and next steps on the Union Street protected bike lane.



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Memo

Date: February 21, 2018

To: TEUC

From: Laura Wheelock, P.E.
Public Works Engineer
Street Capital Program Manager

Subject: Calendar Year 2018 Street Reconstruction Paving List
Paving update – additional streets

Program Update

The Department of Public Works (DPW) has been closely monitoring the condition of the street network and deterioration that has occurred over this winter. As such we are planning to augment our previously proposed paving plan with the following street segments:

Street	Section	Length (miles)	Type of Work
Pine Street	Flynn-Lakeside	0.42	Reclaim
	Kilburn-Lakeside	0.40	Mill/Fill
North Ave	Lakeview Cemetery-Ethan Allen Parkway	1.05	Mill/Fill
	Ethan Allen Parkway-Shore Road		Patching
	Strong-Crowley		Patching
Colchester Ave	Nash-East	0.19	Mill/Fill
	East-University Place		Patching
North Street	Union-Russell		Patching
Maple Street	Church-Winooski		Patching
College Street	Union-Willard		Patching
Flynn Ave	Pine-Shelburne		Patching
Park Street	Manhattan-North	0.19	Reclaim or Patching
Depot Street	All	0.24	Mill/Fill

The work presented in the table above represents an additional 2.75 miles of paving work, not including the proposed areas for patching for this season. DPW recognizes that it may be necessary to reprioritize some of our 2018 paving work to afford the work that is required on the City's arterial corridors to occur this summer. If DPW needed to reprioritize streets we would seek to move Curtis and/or Pleasant from the current paving work plan from 2018 until 2019. In addition while we have listed Depot Street in the list above we recognize that it is not an arterial and would only include it in the 2018 work plan if funding allows for both the original work plan as well as the proposed additional work listed above.

Original - Summer 2018 Street Reconstruction List

Cal Year 2018 Paving Plan					
Branch ID	Section	PCI	Width	Length	Type of Work
Austin Dr	All	13	30	0.32	Reclaim
Birch Ct	All	52	30	0.38	Reclaim
Cayuga Ct	All	52	30	0.25	Reclaim
Colchester Ave	Barrett St – Nash Pl	56	35	0.34	Mill & Fill
Crescent	Prospect - Hillcrest	37	30	0.38	Reclaim
Curtis	All	30	30	0.47	Reclaim
Dorset Ln	All	68	30	0.05	Reclaim
Dunder Rd	All	25	30	0.29	Reclaim
Maple	Battery – St. Paul East of Intersection	35-53	30	0.22	Reclaim
Oakbeach Dr	Flynn – Ledgewood Cir	51	30	0.21	Reclaim
Pleasant	All	23	30	0.44	Reclaim
South Cove	All	44	30	0.66	Reclaim
Total				3.67	MILES Reclaim
Total				0.34	MILES Mill/Fill

Coordination with Water Resources

DPW Technical Services and DPW Water Resources have been working closely together on both the original paving plan, as well as the additional work to ensure that we have the opportunity to make any necessary improvements to our water, stormwater, and sewer infrastructure ahead of paving. While it is challenging to make such last minute changes we are working to coordinate any water resource work that is needed on the additional paving streets to occur along with paving.

In conclusion, if you have any questions regarding the proposed street paving list, please do not hesitate to contact me directly at LWheelock@burlingtonvt.gov or 802-863-9094.



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Councilor Maxwell Tracy, Chair *WARD 2*
Councilor Richard Dean, *East District*
Councilor Ali Dieng, *WARD 7*

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Transportation, Energy and Utilities Committee of the City Council

Tuesday, February 27, 2018 5:30 PM

**Burlington Department of Public Works – Front Conference Room
645 Pine Street – Burlington, VT**

–AGENDA–

1. Agenda

- a. Councilor Tracy called the meeting to order at 5:40 pm

2. Public Forum

- a. None offered

3. Minutes of 01/23/2018

- a. Councilor Dean moved for a motion on the minutes, Councilor Tracy moved to approve the minutes and Councilor Tracy seconded. All in favor.

4. Snow Fighting Operations – 10 minutes

- a. Rob Green; North Union Street and a general update. Overall, winter was not too bad, we did have a few bouts with ice. We are not over budget on salt and that is the way I usually gauge how our winter is going. We have been using a brine in some spots. Snow fighting has been fairly uneventful. We have a limited amount of personnel for larger commercial plows, however we have been able to fill in with the sidewalk plows.

North Union Street was not that difficult to maintain. However, we had several complaints from residents due to the awkwardness of the bike-lane. Overall the bike lane was maintained pretty well. Typically, independent plow truck drivers, plowing private driveways would mess up our work. We have been able to work through our problems. I am hoping we are done with snow fighting. Hopefully we will be conducting street sweeping operations. Challenges, we are limited on our mechanics. We spend a tremendous amount of time to clear the sidewalks; we do a really good job.

Dean: Why do you use the brine? We try and use it as much as we can. We need to get a little more pet friendly over time. The brine product is a little more expensive. We will do more experimentation next year and see what we can do.

Ali: how many trucks do we have. We have 10 large trucks, and 2 small trucks. We have 12 tractors. Some of our equipment is brand new to 13-14 years old.

Ali: we are all very appreciative of the work you do.

Max: The Union bike lane. My concern is, if we lose some of the driver knowledge are we documenting our efforts? We try and keep the drivers on the same route as much as possible. We are looking at new ways to do our work all the time. There will be some more learning curves with the drivers. The color of the flex post (white) make them difficult to see. Nicole is looking at different options. We may need a dedicated street worker for the bike lanes.

Dean: how is the decision made to change bike lanes? We discuss things from an operational standpoint. However, the addition or removal of the bike lanes would require a more public process.

5. planBTV Walk Bike Implementation Update – 10 minutes

- a. Nicole Losch, see planBTV Walk Bike Implementation Update
- b. Dean: will you be checking with the NPA's? We have discussed the construction outreach; we plan to do outreach at individually NPA's to discuss the full suite of projects. We are looking for a couple of different ways to communicate what is going on.

Dean: I would suggest you over-communicate especially to the steering committees. What is planned at Mansfield Avenue? We are considering expanding the sidewalk, the asphalt sidewalk is on a list of repairs; we are coordinating the work to create a full path.

Ali: You should try and do as much outreach as possible. Implementation of bike lane is good, but we need to do something about bike safety. What are the processes we need to implement better bike safety? The Walk Bike plan does have some chapters on training and safety, we are focused on the engineering improvements; however, we have many non-engineering plans as well. The RRFB's will be constructed on North Avenue.

Max: Very excited about the Winooski corridor study, I would be happy to help get information out. We would like someone from DPW to come to the April NPA for the Old North End. We will make a commitment to make it to every NPA in the City of Burlington.

Max: can you send a list of the sidewalk that are going to be worked on?

Ali: Farrington Parkway and Goss Court, where is the speed checkers? Can we put those back?

6. Paving Update – Additional Streets – 5 minutes

- a. Chapin Spencer presenting, see Paving Update memo.
- b. Ali: What we need to focus on is prevention. Isn't it better to do the work before winter starts, is it funding or logistics? We have strengthened our preventative maintenance, we started doing crack sealing, we started doing reclaim, and we are coordinating with other utilities. The streets that have

big problems are unpredictable. Our investigation has uncovered subbase problems on Pine Street in particular.

Chapin: the problem with North Avenue is that there is a concrete subbase, which is why there is longitudinal cracking.

Dean: You have a pretty good handle on what you can accomplished this season. It will be tough to get all this work done.

7. Champlain Parkway Update – 5 minutes

- a. Chapin Spencer are there particular things the TEUC wants to hear about. Clear talking points for the
- b. Champlainparkway.com is a great resource. There is online interactive map as well, Spring of 2019 is our hopeful start date We are dealing with ROW acquisition. And lightly contaminated soils with the state. Much of the property was acquired decades ago. To be able to acquire there needs to be a necessity hearing with a 30-day notice, one will be a site visit and the other will there will need to be a city council meeting. There will need to be a statement of necessity. Our city engineer presented a request for a policy on how we handle encroachments in the PROW. We have general support to move ahead on that.
- c. Ali: Would there be a lease? There would be a need for an agreement to allow contractors to work on private property.

8. Councilors' Update

- a. Max Tracy: I would like an update on Booth Street.
- b. Ali: Speed tracker for Goss Court and Farrington Parkway, we will have to check with the traffic division, we can get an update on that.

9. Adjourn

- a. Councilor Dean motioned to adjourn and Councilor Tracy seconded. Meeting was adjourned at 6:45 PM.