

Ward 1/8 NPA – December 2019

East Avenue Traffic Calming & Crosswalk Request Status

Traffic Calming Program Status

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DPW's traffic calming program was created in the late 1990's and has not been updated since the early 2000's. Requests are neighborhood-initiated and projects advance in the order they are received. This first-in, first-out process does not always serve the community or staff well. In May 2015, DPW hired Cope & Associates to identify ways to improve and update the program. While that study progressed, fewer traffic calming projects advanced and the queue continued to grow.

DPW received the East Ave traffic calming petition in May 2017. At that time, 8 other streets were already in the queue for traffic calming improvements.

The final recommendations of Cope study will be presented to the DPW Commission at their December 18, 2019 meeting. These improvements include:

1. Redesign the intake process, policy, and forms
2. Formalize the process for gathering internal stakeholder input
3. Expedite and streamline the process and apply technical standards already adopted by the City and/or State
4. Separate Neighborhood Enhancements from Traffic Calming projects (that have a demonstrable speed, volume, or crash condition) and develop an annual budget for each program
5. Revise the process and policy for community input in traffic calming projects

In essence, these changes will prioritize traffic calming projects that address identified traffic safety issues (e.g. vehicle speed, vehicle volume, and/or crashes on a street). Using these thresholds, traffic calming projects will be separated from neighborhood enhancements, design treatments will be clear and tiered toward the different types of streets (e.g. total traffic volume, total truck traffic, number of travel lanes, etc.), and design standards will be developed for the traffic calming and neighborhood enhancement treatments.

This new program will be launched in 2020 following this proposed schedule:

December 2019 – DPW hires consultants to draft the new Traffic Calming & Neighborhood Enhancement Program Guide

March 2020 – draft recommendations will be presented to DPW and that separate the project types

April 2020 – data will be collected on streets in the current queue that do not yet have data

June 2020 – draft program presented to DPW Commission

July 2020 – DPW hires consultants to manage projects (this will likely include East Avenue)

September 2020 – final program guide is complete

East Ave / Bilodeau Ct Crosswalk Improvement Status

Project Manager: Madeline Suender, Associate Public Works Engineer, msuender@burlingtonvt.gov, 802-735-5324

DPW has received numerous requests to install rectangular rapid flashing beacons (RRFBs) at the existing crosswalk across East Ave at Bilodeau Ct. The existing condition is a marked crosswalk with pedestrian crossing signage and an in-street pedestrian crossing sign. To evaluate this request, DPW utilizes the Vermont Agency of Transportation *Guidelines for Pedestrian Crossing Treatments* and the Burlington Crosswalk Guidelines.

The current recommendations from VTrans and Burlington Crosswalk Guidelines are being met at the East Ave/Bilodeau Ct crossing for a striped and signed crosswalk based on the 2018 vehicle data and 2013 pedestrian data from a nearby intersection, Burlington's Crosswalk Guidelines the crossing does not meet guideline requirements for the installation of a RRFB.

The City is prepared to collect additional traffic and pedestrian counts at this location in 2020. Upon receiving these counts, the evaluation using the VTrans and Burlington Crosswalk Guidelines will be compared against the guidelines requirements for a RRFB

DPW's standard practice is to examine the existing condition that may have contributed to pedestrian /vehicle incidents resulting in personal injury. Our review includes reviewing accident reports, go on site to determine if all necessary design elements are in place, light levels, clear lines of sight, and existing sign package.

At the Bilodeau and East Avenue Crosswalk, the existing light levels at the intersection were confirmed to meet Illuminating Engineering Society (IES) lighting standards. However, to further improve visibility at this location, DPW has coordinated with Burlington Electric Department and brighter LED lights have been installed at this location as of 12/6/19. The Parks Department, in coordination with DPW, has also made continual efforts to trim the vegetation at this intersection on the west side of the road to improve visibility of pedestrians coming down the path to ensure adequate stopping sight distance is being met. In addition, the City obtained geometric information at the intersection to look into lane allocation and configuration.

Lastly, DPW is currently in the process of gathering crash data both for the near term incident, as well as the 5 year history for this particular location. The crash data will be useful for better understanding if there exist a patterns of issues that would suggest modifications to the existing built condition would improve the level of safety.

Colchester Chase Crosswalk Update

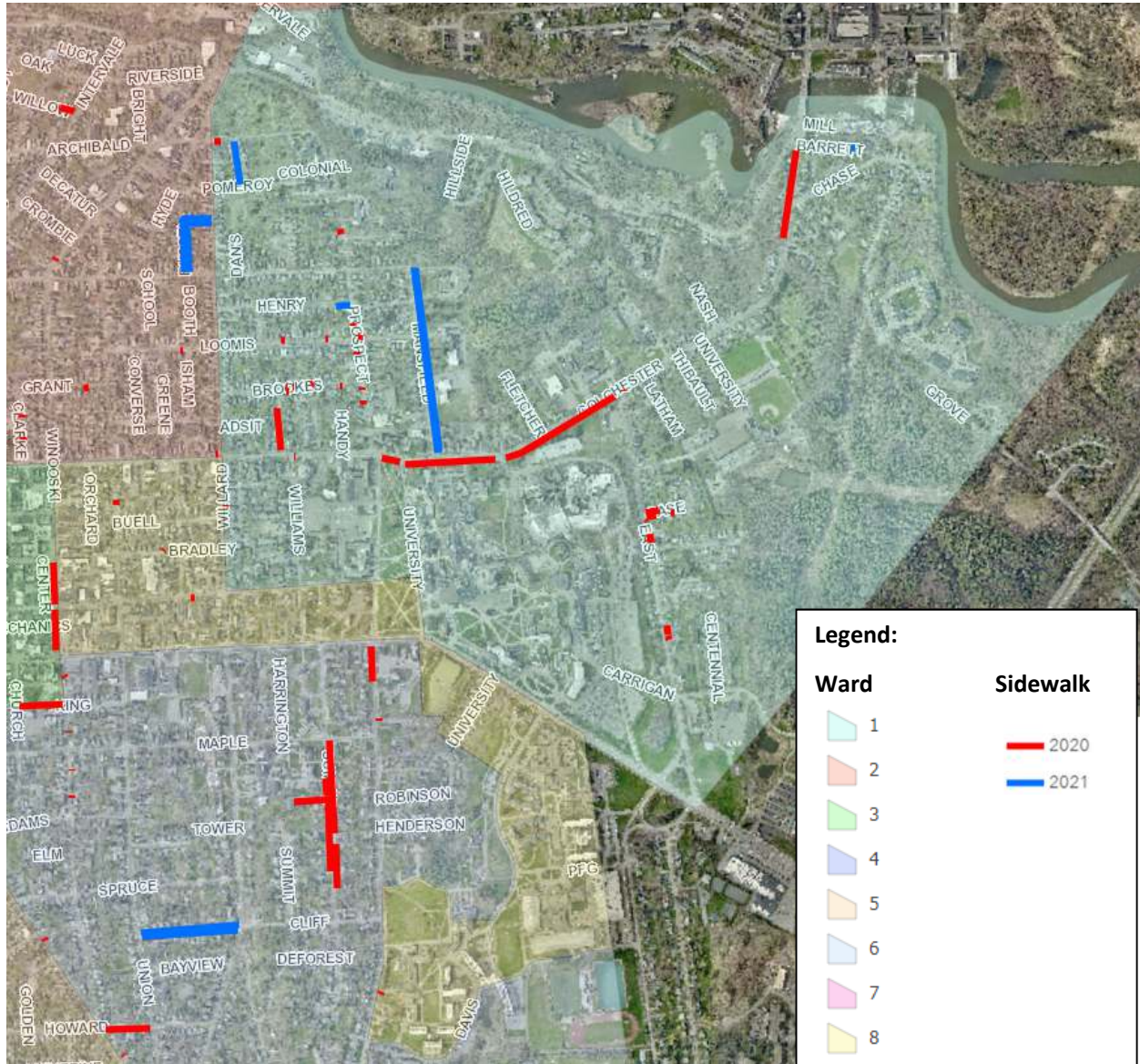
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The midblock crossing on Colchester Ave at Chase St is planned to be striped 12/12/19 and RRFBs will be installed. The quick build bump out will be painted this season, weather permitting, or early in the spring of 2020.

Sidewalk Update

Project Manager: Madeline Suender, Associate Public Works Engineer, msuender@burlingtonvt.gov, 802-735-5324

Sidewalk Work Plan



| Ward | Request | House # | Street Name | Notes | 2020 (Feet) | 2021 (Feet) |
|------|------------------|---------|-------------------|---|-------------|-------------|
| 1 | 3467211, 16110 | 195 | Archibald St | crumbled | 40 | |
| | | 49 | Brookes Ave | crumbled | 10 | |
| | 4685740 | 54 | | cracked | 15 | |
| | 6080965 | 101 | | crumbled | 15 | |
| | | 62 | | cracked | 15 | |
| | | 76 | | cracked | 10 | |
| | | 19 | Case | grade change | 45 | |
| | 6386184, 6386200 | | Colchester Ave | Chase - Riverside (east) | 770 | |
| | Grant funded | | | side path: Prospect – East Ave (south side) | 2000 | |
| | 4153 | 206 | East Ave | cracked | 85 | |
| | 4153 | 218 | | | 40 | |
| | | 102 | | gaps | 55 | |
| | | 120 | | crumbled | 85 | |
| | | 112 | | vertical displacement, gaps | 40 | |
| | | | Germain | Archibald - Pomeroy (west side) | | 375 |
| | 6190908 | 101 | Henry | tree, gaps | | 120 |
| | Resident email | 180 | Loomis | vertical displacement | 25 | |
| | Councilor Bushor | 210 | | crumbled | 25 | |
| | 6190880 | 146 | | crumbled, gaps | 25 | |
| | Capital | | Mansfield | side path: All (east side) | | 1500 |
| | 6191015 | 49 | N Prospect | vertical displacement | 20 | |
| | 6191042 | 89 | | crumbled | 20 | |
| | 6516971 | 179 | | crumbled, gaps | 50 | |
| | | 44 | S Willard | vertical displacement | 20 | |
| | Resident email | 14 | S Williams/Pearl | curb ramps | 20 | |
| | | 33 | Williams | crumbled, gaps | 20 | |
| | | 21-15 | | gaps | 365 | |
| | 50 | Barrett | cracked, crumbled | | 30 | |
| 8 | | 8/12 | Bradley | vertical displacement | 10 | |
| | | 38 | | vertical displacement | 15 | |
| | | 325 | College | cracked | 20 | |
| | 6987483 | 460 | S Prospect | panels missing and gaps | 30 | |
| | | 34 | S Union | | 40 | |

- This list is subject to change based on budget approvals, contract pricing, weather, etc.
- Total sidewalk 2020 work plan is budgeted at an estimated \$1.7M with the following production outcomes:

| | Length (Feet) |
|------------------|----------------------|
| Short Run | 6,250 |
| Long Run | 12,150 |

- 31% of the outstanding sidewalk SeeClickFix requests will be addressed in this 2020 sidewalk plan.
- Sidewalk assessment: DPW is working with a consultant to update the city-wide sidewalk condition assessment in 2020. The last assessment was completed in 2014.
- Upcoming meetings involving sidewalk projects:
 - o DPW will be presenting the proposed 2020 sidewalk work list to the DPW Commission: Wednesday, Dec 18, 6:30PM 645 Pine St Front Conference Room.
 - o Mansfield Ave side path meeting: Tuesday, Dec 17, 6:00PM UVMCC McClure Conference Room