

Org Chart

Steering Committee

Nicole Losch, PTP Senior Transportation Planner



Bryan Davis, AICP Senior Transportation Planner



Jonathan Slason, PE Project Manager



Project Advisory Committee

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Specialist

Third Sector Associates

Lucy Gibson, PE Senior Planner

Chris Sargent, AICP

Planner

Sophie Nichol Sauve, ASLA, LEED AP Landscape Architect

Julia Ursaki, EIT

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Dana WallProject Designer

STREETPLANS















Introduction to the Winooski Ave Transportation Study

Project Advisory Committee Meeting #1 | Study Kickoff May 2, 2018

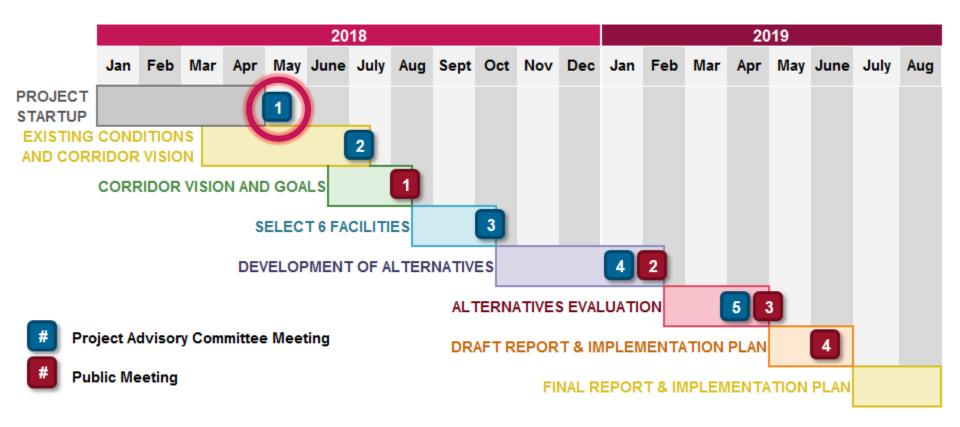
What is this study?

A comprehensive transportation study of the entire Winooski Avenue corridor, developing multimodal improvement strategies that address safety, capacity, and connectivity.

Final deliverable: An actionable implementation plan with near-term and longer-term recommendations.



Scope/Schedule





BTV Complete Streets Vision

Burlington streets will evolve into complete streets corridors that provide **safe**, **inviting**, **and convenient travel for all users of all ages and abilities** —including motorists, pedestrians, bicyclists, and public transportation riders.

Within each neighborhood, the need to move people through the corridor will be balanced with the need to provide access to homes, businesses, and local institutions within the corridor. The most effective use of finite public space will be determined through interdisciplinary collaboration with a wide range of community members considering economic, environmental, and equity concerns.

The corridor will develop into an **attractive public space** through creative streetscape, signage, and other site design features. The corridor will become **more livable and desirable by promoting social interaction and public health**.

Past Studies and Plans

PLANS:



Great Streets

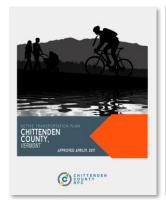
Downtown Standards



GMT NextGen Plan



PlanBTV Walk Bike



CCRPC Active Transportation Plan



VTrans On-Road Bicycle Plan



PlanBTV Downtown & Waterfront

STUDIES:

- Winooski-Howard-St. Paul Intersection Scoping Study (2018)
- Winooski Ave Circulation Study Technical Assessment (2017)
- N. Winooski Ave & Archibald Street Intersection: Pedestrian Safety and Mobility Evaluation (2011)
- South Winooski Ave Lane Reduction (2002)



Winooski Ave Circulation Study Technical Assessment (2017)



- 5 traffic circulation scenarios
- Scenario #1 Complete Street on Winooski Ave has least impact on traffic, has two-way vehicle traffic, and two-way bicycle facilities entire corridor
 - 4-to-3 lane conversion Pearl to Main
 - Changes to on-street parking likely; must consider tradeoffs

Other scenarios:

- #2 Two-way flow on North Winooski Ave
- #3 Two-way flow on all of Winooski Ave; Union Street as primary bicycle corridor
- #4 One-way pair with Union Street: Counter-Clockwise Flow
- #5 One-way pair with Union Street: Clockwise Flow



PlanBTV Walk Bike (2017)



- Multimodal connectivity
- 7 of the 20 priority intersections are located along Winooski Ave
- Proposed long-term network: protected bike lanes (low-stress) entire corridor to improve connectivity

Relevant guidance:

- Serve all ages and abilities
- Expand use of pilot and demonstration projects
- Improve integration of cycling and bus travel
- Improve pavement markings at bus stop conflict points
- Continue to design/retrofit streets to include sufficient snow storage space

CCRPC Active Transportation Plan (2017)

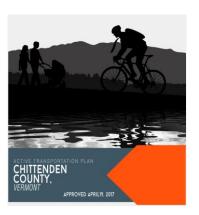










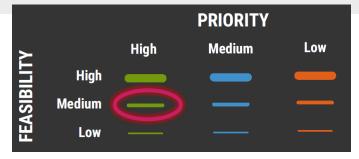


Through the process of developing the Chittenden County ATP, a number of important points and issues were identified:

- 1. Active transportation has numerous benefits to people in Chittenden County. It is an important part of transportation, recreation, and health. There are also economic, environmental, health, and quality of affect the entire population, even those who do not walk or bike.
- 2. Enforcement and education, in addition to engineering and infrastructure design, are important fact safety and reducing crashes. This is particularly critical for people using active transportation, a vulnerable to injuries and fatalities than people who are protected by a vehicle.
- 3. Connecting bicycling and walking to other transportation modes such as transit and carsharing effective and efficient system that supports quality of life in Chittenden County.
- Proper maintenance is imperative to support a usable and safe active transportation network. Local public works should (if they haven't already) develop inspection programs to document facility condit needed repairs.
- 5. Lack of lighting and snow clearance can significantly limit usability of the active transportation n should be included in path projects whenever possible. Responsibilities for snow and ice clearance (i private abutter) should be clarified on a municipal level.
- 6. In order to be fully accessible to everyone regardless of age or ability, the infrastructure recommer incorporate universal design. Snow and ice removal is particularly important for accessibility during
- 7. Many of the segments identified as high priority-high feasibility in the ATP are already on the Chittenden County Transportation Improvement Program (TIP). Coordinating with these projects provides an excellen begin implementing connections within the active transportation network.

- 1. Benefits of active transportation
- 2. Enforcement & education
- 3. Connecting to transit and carsharing
- 4. Maintenance
- 5. Snow clearance
- 6. Universal design, accessibility

7. Project coordination



Winooski Ave is identified as a High **Priority, Medium** Feasibility project

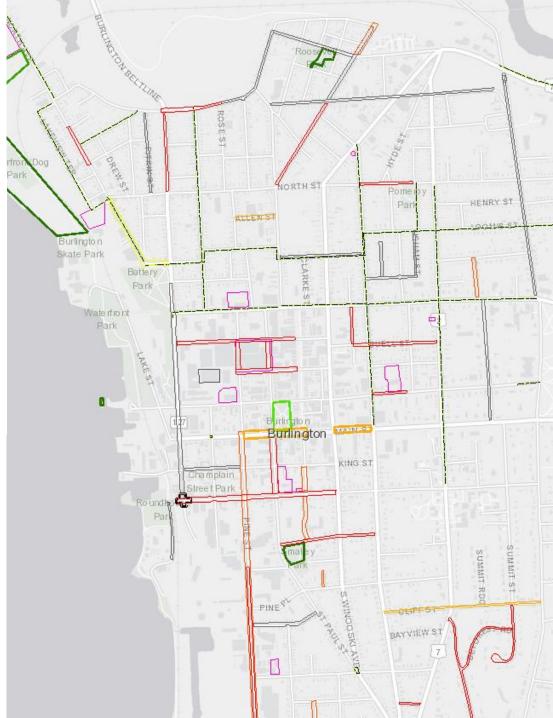


Capital Projects



Projects proposed, approved, in design, under construction or completed since the passage of the capital bonds in November 2016

Source: Burlington DPW Construction Portal



Public Participation

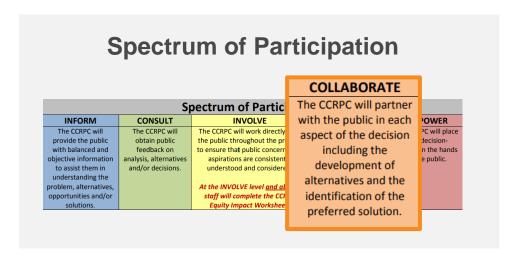
Objective: The public will be engaged during every stage of the study using a variety of tools and formats to arrive at recommendations that reflect the needs of the community and minimize undesirable impacts.

Four Elements:

- 1. Stakeholder Interviews
- 2. Project Advisory Committee
- 3. Public Forums
- 4. Continuous Communication

Guided by a Public Participation Plan based on:

- CCRPC Public Participation Plan
- DPW Public Engagement Plan





Draft Public Participation Plan

1. Stakeholder Group Interviews

- Public Health & Safety
- Students/Schools
- Colleges
- Under-represented groups
- Community spaces
- Businesses on Winooski Ave

2. Public Advisory Committee (5 meetings)

- Planning & Zoning
- City Council
- CEDO
- BBA
- Church Street Marketplace
- Old North End Arts & Business Network
- Burlington Walk-Bike Council
- Green Mountain Transit
- AARP Vermont
- Central, East, and South Districts

3. Public Forums

- Innovative formats
- Interpretation and stipends as needed
- Advertisement through multiple channels
- Documents posted ahead of time
- Sign-in sheet for tracking participation
- Feedback collected, shared, addressed

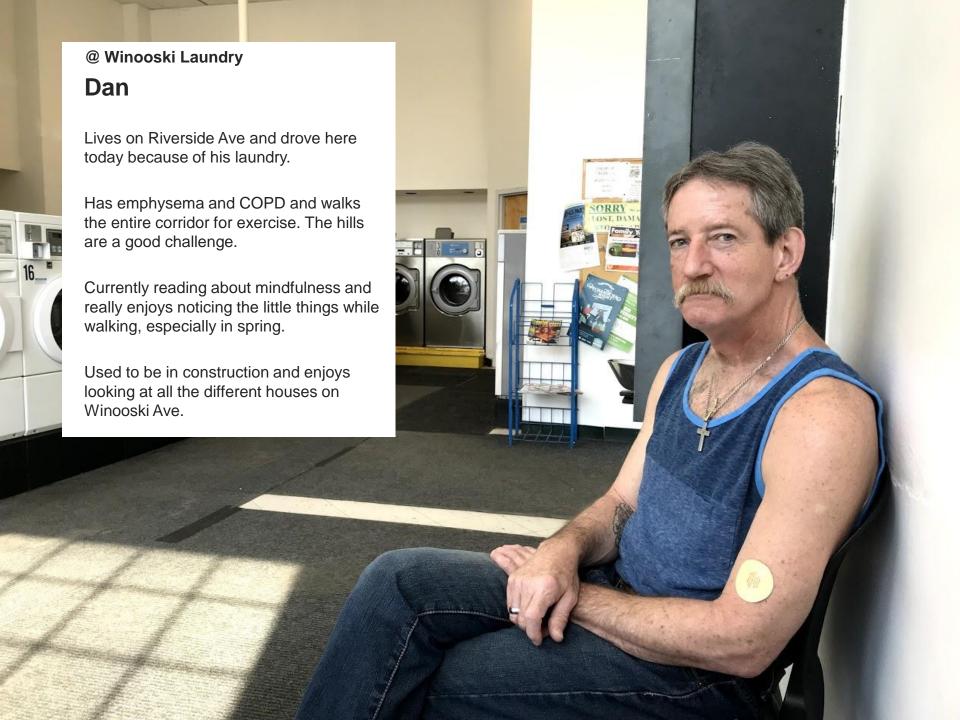
4. Continuous Communication

- Two-way communication
- Notification of project updates and available documents
- Coordinate with community liaisons (NPAs, churches, schools, etc)
- Pop-up meetings
- Online surveys, crowd-sourced mapping





"Humans of Winooski Ave"





@ City Market

Steph

Nurse at UVMMC

Drove to City Market this morning on her way to go kayaking.

Winooski Ave: "I avoid it like the plague" (whether driving or bicycling). "Bicycling is terrifying" (on Winooski Ave).

Uses Union Street as an alternative.





@ City Market

Tom

Drove to City Market today and dropped his wife off elsewhere downtown.

Lives on Shelburne Road and has lived in Burlington his whole life.

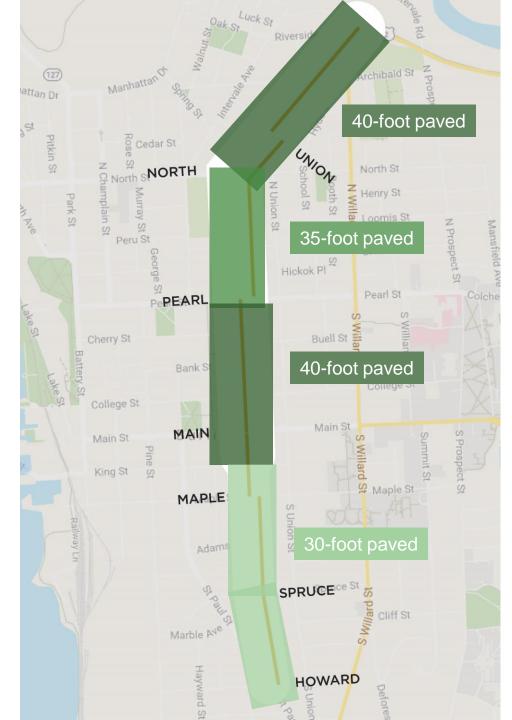
Both drives and rides a bicycle on Winooski Ave.

Bikes the whole city just for fun. Enjoys observing the urban landscape.

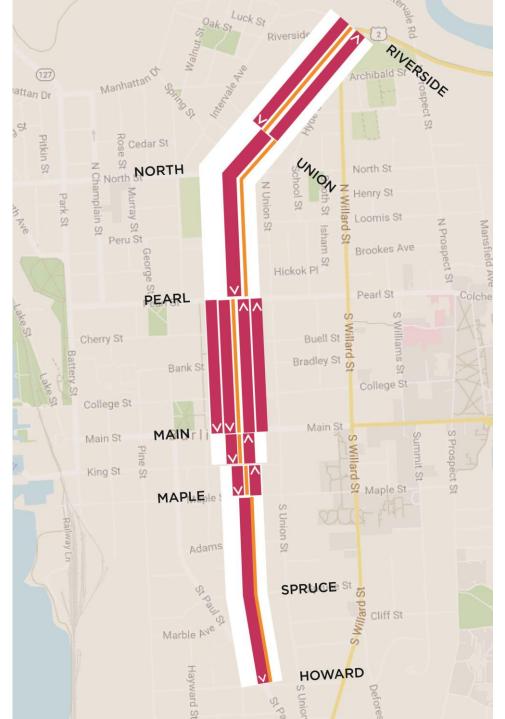


Existing Conditions Overview

CURB-TO-CURB WIDTH

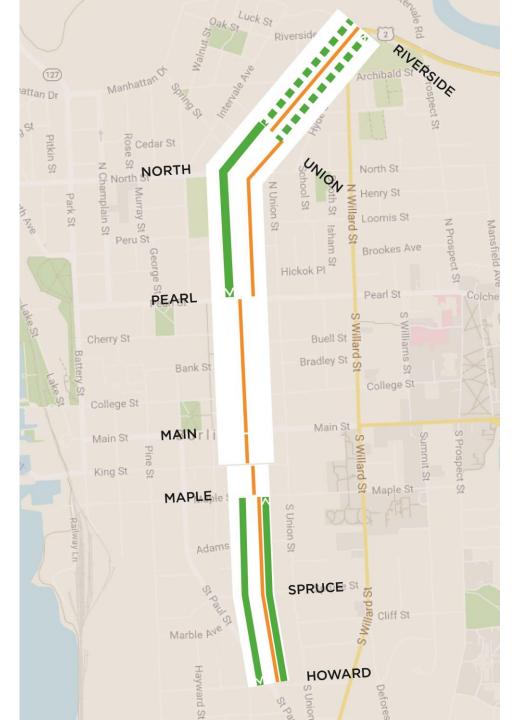


TRAVEL LANES

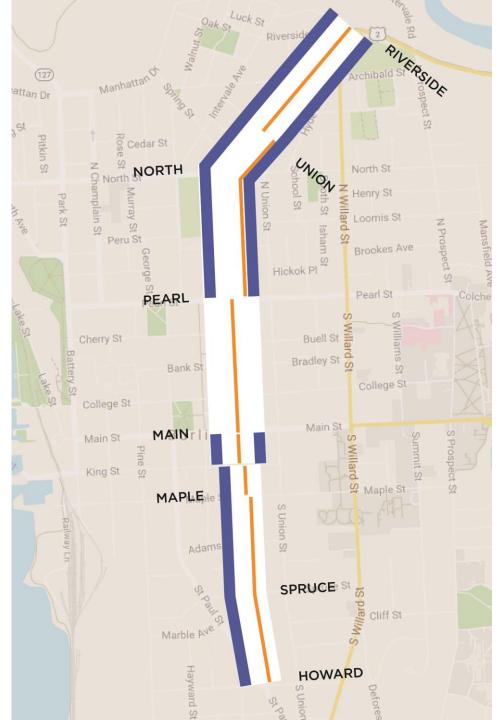


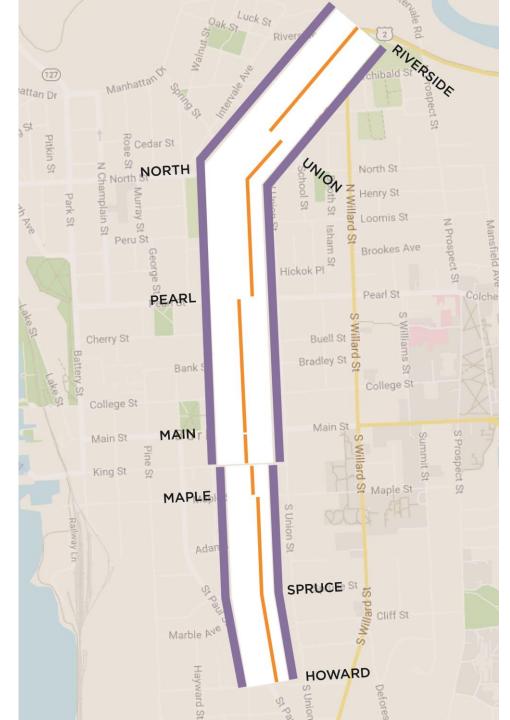
BIKE LANES

SHARROWS



PARKING LANES





SIDEWALKS

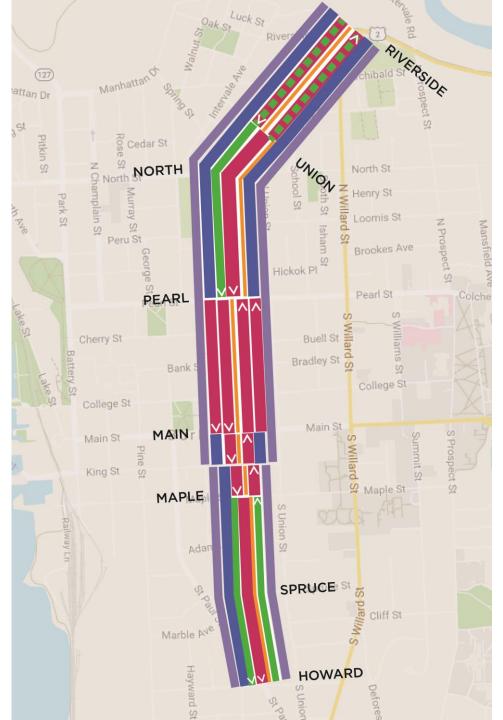
TRAVEL LANES

BIKE LANES

SHARROWS

PARKING LANES

SIDEWALKS



Volumes

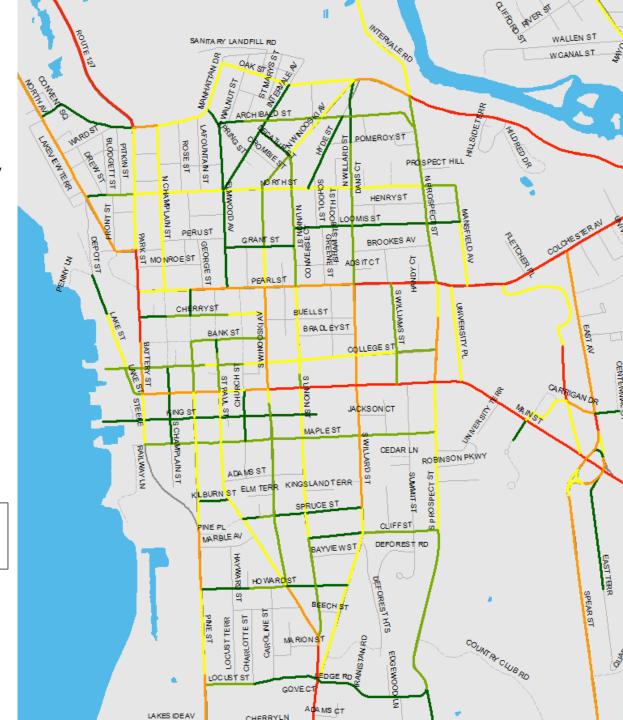
Average Annual Daily Traffic (AADT)

Bicycle and pedestrian count data is still being compiled

2016 data

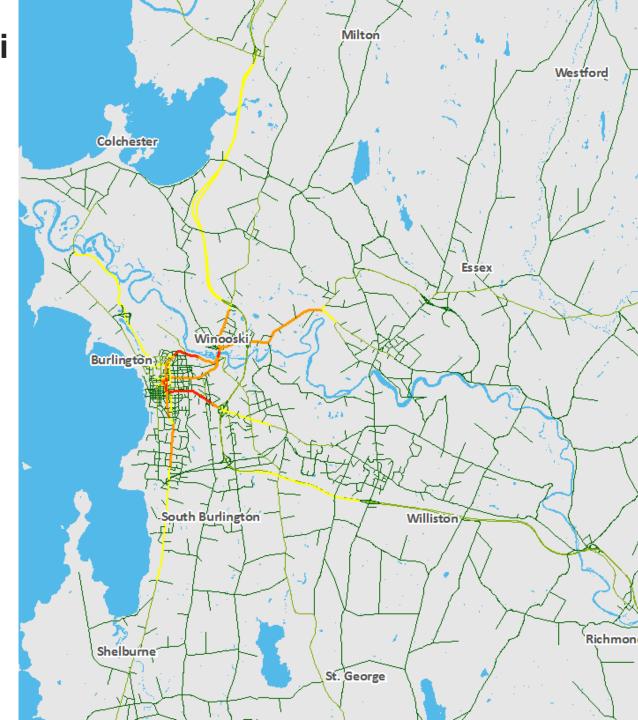
Source: VTrans via Vermont Open

Geodata Portal



Where Winooski Ave Traffic Comes From

Region-level

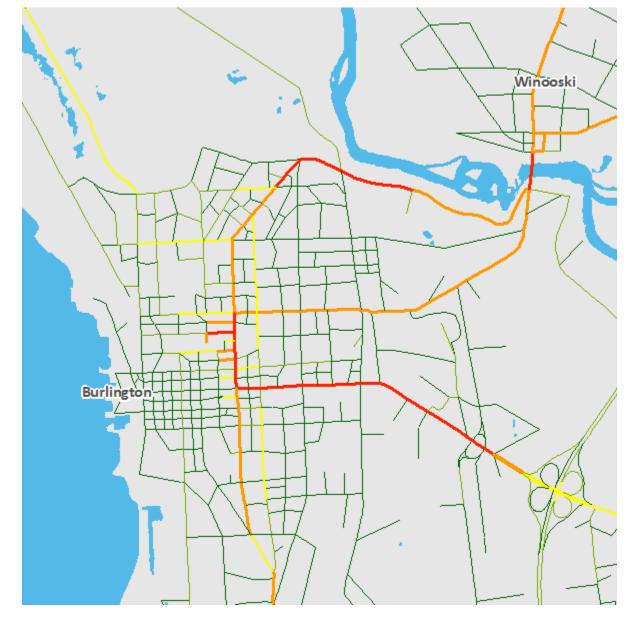


2015 data

Source: CCRPC Regional Model

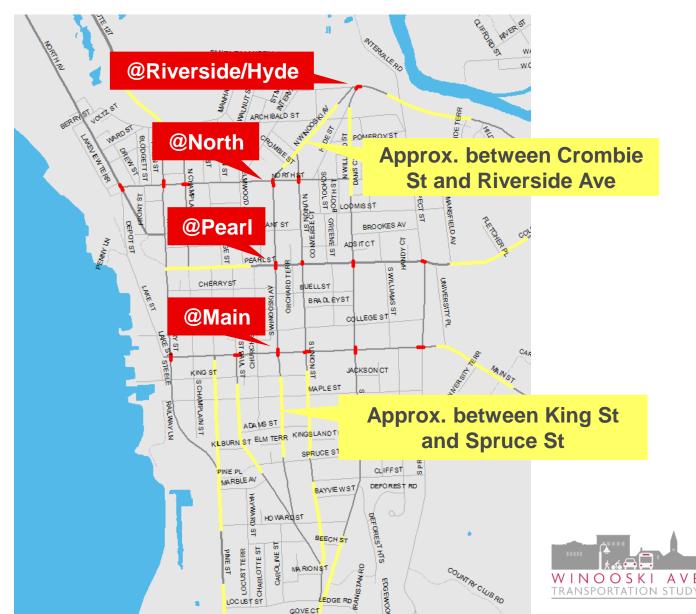
Where Winooski Ave Traffic Comes From

City-level





High Crash Locations



2012-2016 data Source: VTrans

Bicycle and Pedestrian Crashes

For reference, there were 6 bicycle or pedestrian crashes at the Winooski Ave-Main Street intersection in this period

NORTH ST HENRY ST ALLEN ST **WINOOSKI AVE** PEARL ST MAIN ST Burlington CLIFF ST

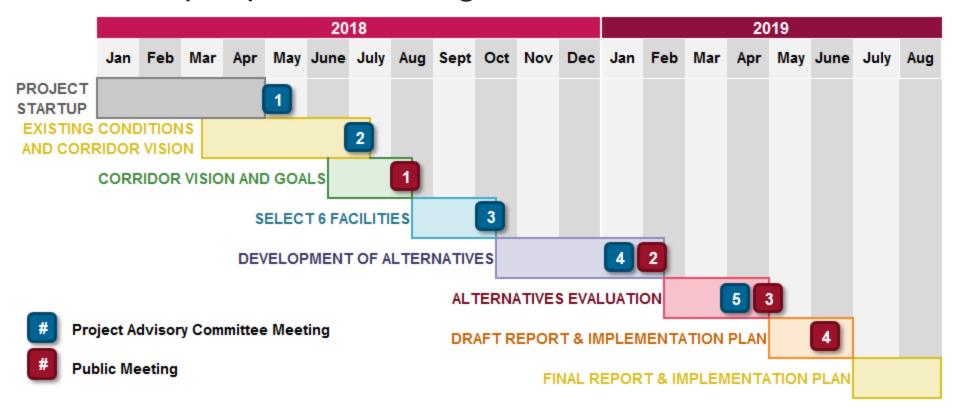
2013-2017 data (5 years) Source: VTrans Crash Data Tool

What have we heard?

- Complete Street goals and visions of multimodal corridor
- Heavily utilized corridor
- Access to heart of the city
- Regional connections
- Inconsistent mobility facilities
- Timing for action is now
- Opportunity to enhance safety

What's Next?

- Draft vision and goals
- Public engagement
- Get people on mailing list



Discussion Time!

- 1. Why is this project important to you?
- 2. What are your goals for the study?
- 3. How can this study and its outcomes be most useful?
- 4. Specific issues or opportunities that we should know about?



Thank You!



CONTACTS

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Steering Committee











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