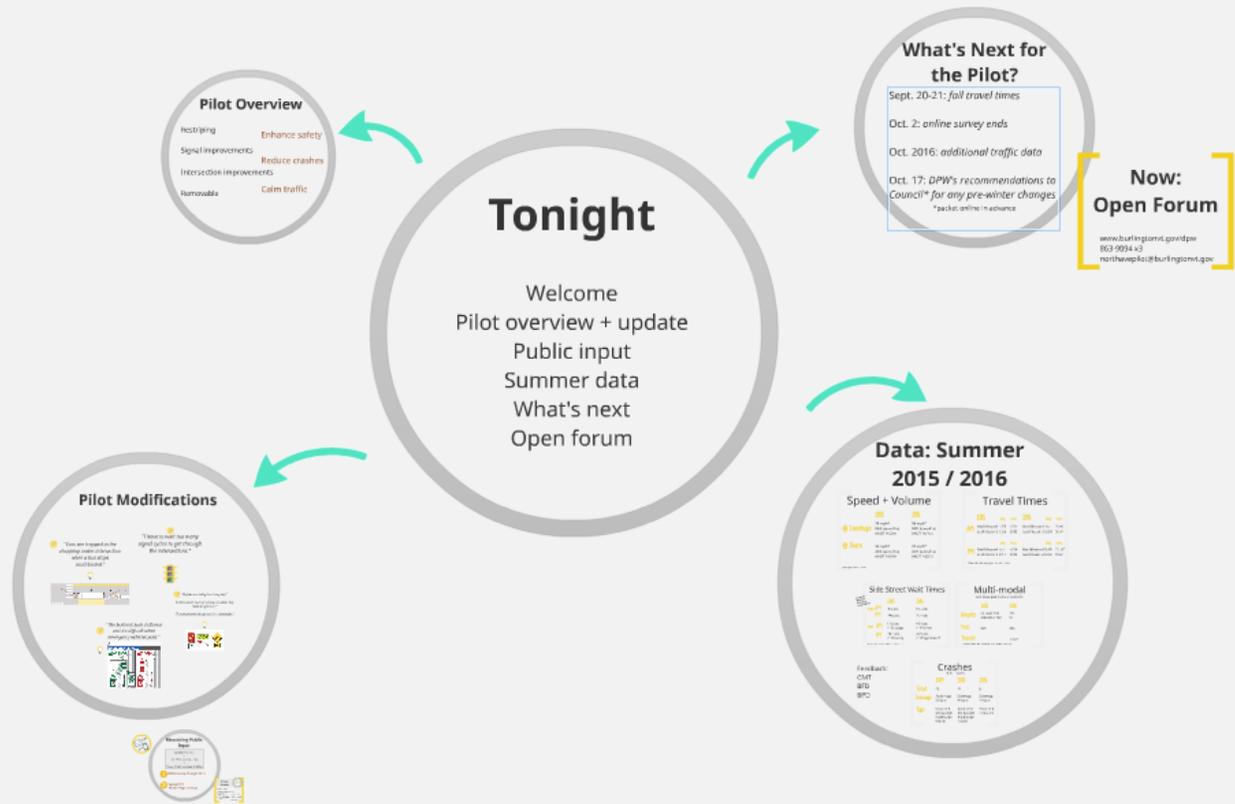


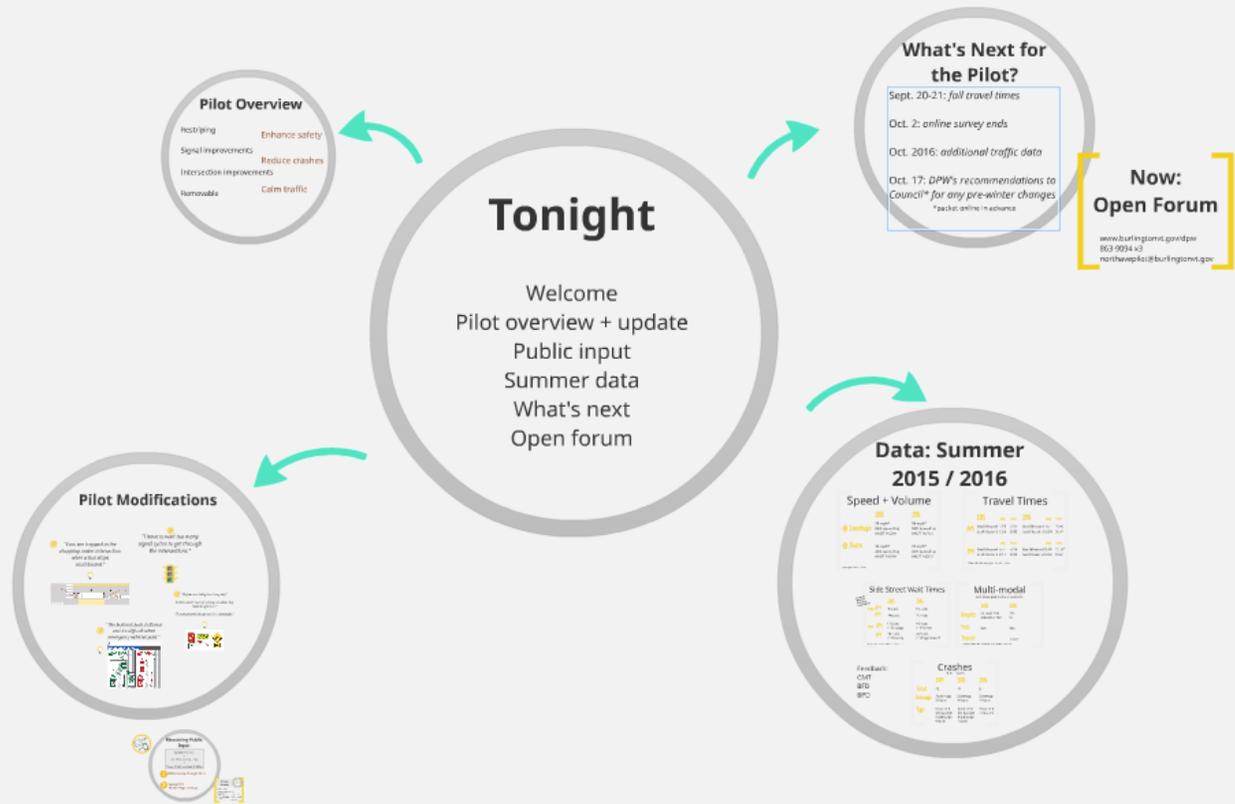
# North Avenue Pilot Project

## September 20, 2016



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## September 20, 2016



e safety  
crashes  
ffic

# Tonight

Welcome  
Pilot overview + update  
Public input  
Summer data  
What's next  
Open forum

# Pilot Overview

Restriping

Enhance safety

Signal improvements

Reduce crashes

Intersection improvements

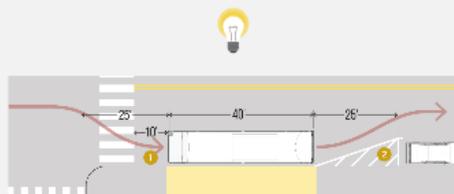
Removable

Calm traffic



# Pilot Modifications

☹️ "Cars are trapped in the shopping center intersection when a bus stops southbound."

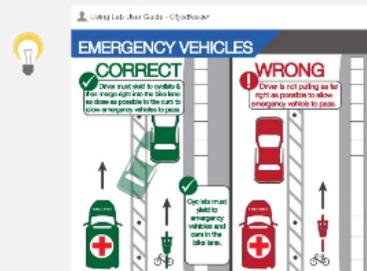


☹️ "I have to wait too many signal cycles to get through the intersections."



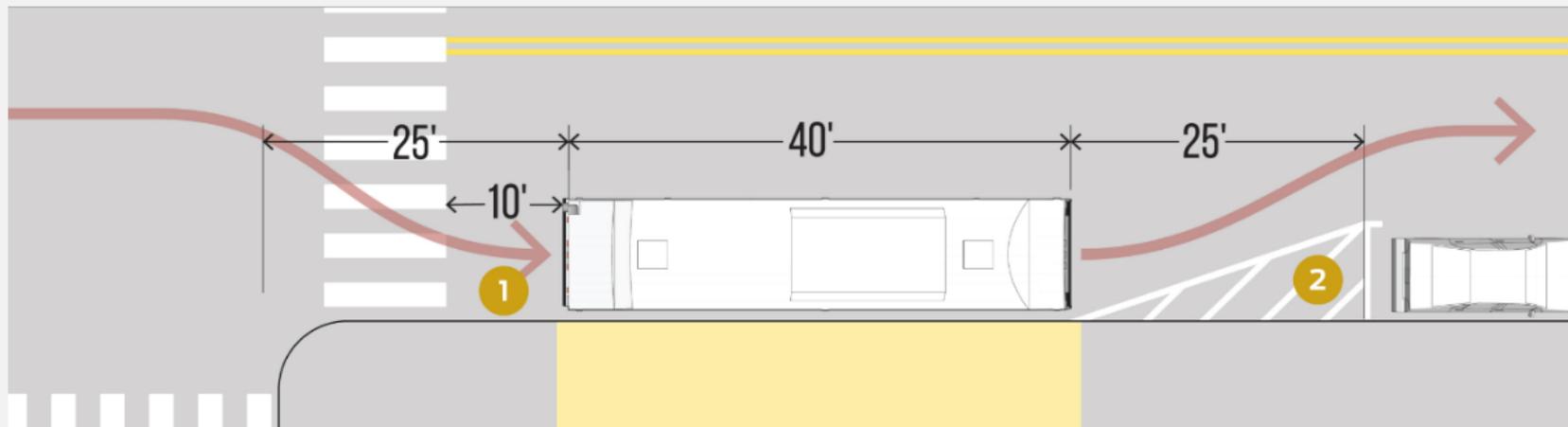
☹️ "Bicycles are riding the wrong way."  
 "Drivers aren't looking for bicyclists when they make a right turn."  
 "The pavement is dangerous for motorcycles."

☹️ "The bollards look cluttered and it's difficult when emergency vehicles pass."



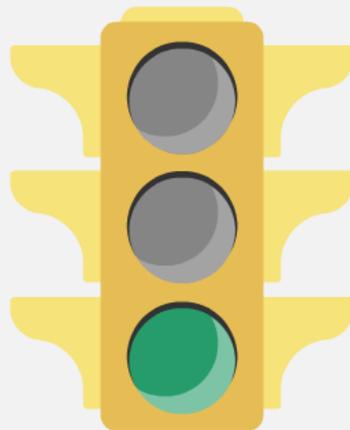


*"Cars are trapped in the shopping center intersection when a bus stops southbound."*





*"I have to wait too many  
signal cycles to get through  
the intersections."*

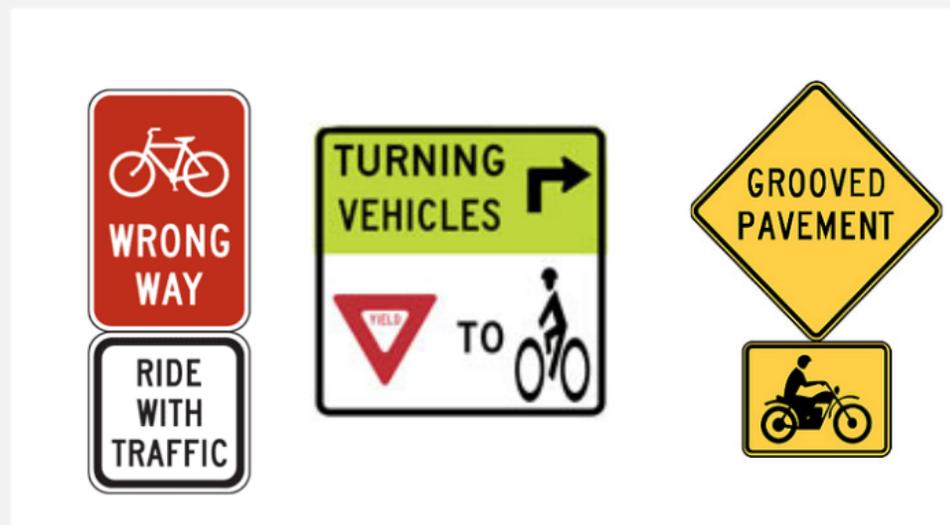




*"Bicycles are riding the wrong way."*

*"Drivers aren't looking for bicyclists when they make a right turn."*

*"The pavement is dangerous for motorcycles."*



*"The bollards look cluttered and it's difficult when emergency vehicles pass."*

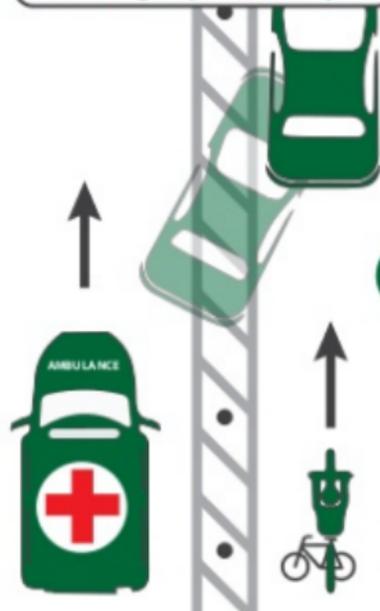


Living Lab User Guide - CityofBoulder

## EMERGENCY VEHICLES

### CORRECT

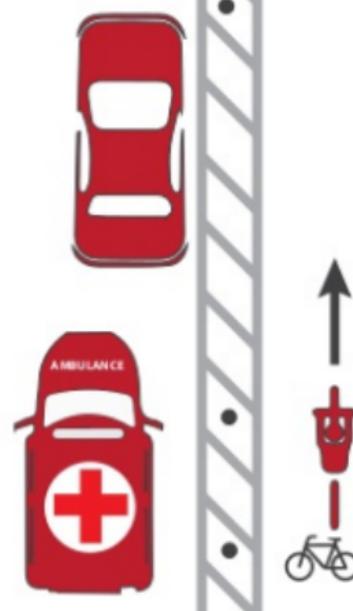
✓ Driver must yield to cyclists & then merge right into the bike lane as close as possible to the curb to allow emergency vehicles to pass.



✓ Cyclists must yield to emergency vehicles and cars in the bike lane.

### WRONG

! Driver is not pulling as far right as possible to allow emergency vehicle to pass.





# Measuring Public Input

School resumes  
+  
Oct. 17 Council meeting  
=  
Phase 1 online survey timeline

**1** Online Survey through Oct. 2

**2** Spring 2017:  
Phone + Paper surveys

Online Survey	
56%	Front Porch Forum
	DPW Website + Social Media
39%	Area Councilors Re-shares
40%	
5%	AARP, Local Motion, Franklin Square
22%	
8%	Other

# Online Survey

1,400+ to date  
9 minutes avg. time  
41% with comments

56% Front Porch Forum

DPW Website + Social Media

39% Area Councilors  
Re-shares

40% / 29% Ward 4/7

5% AARP, Local Motion,  
Franklin Square

22% Other Burlington

8% Outside Burlington

# Data: Summer 2015 / 2016

## Speed + Volume

	2015	2016
<b>@ Saratoga</b>	38 mph* 86% speeding AADT 16,200	39 mph* 84% speeding AADT 16,900
<b>@ Shore</b>	34 mph* 46% speeding AADT 14,500	33 mph* 42% speeding AADT 14,200

\*85th percentile speeds

## Travel Times

	2015	avg	max	2016	avg	max
<b>AM</b>	Northbound 1:53		2:32	Northbound 2:01		3:26
	Southbound 1:59		3:06	Southbound 2:04		3:14
<b>PM</b>	Northbound 2:01	avg	max	Northbound 3:29	avg	max
	Southbound 2:11		3:09	Southbound 3:09		3:22

\*Ethan Allen Parkway signal detection issues

## Side Street Wait Times

	2015	2016
<b>avg. AM</b>	9.3 sec.	15.4 sec.
<b>PM</b>	14.0 sec.	26.4 sec.
<b>max AM</b>	12.6 sec. @ Saratoga	19.1 sec. @ Killarney
<b>PM</b>	19.2 sec. @ Killarney	36.5 sec. @ Village Green*

\*Ethan Allen Parkway signal detection issues

## Multi-modal

(cumulative, peak hours at intersections)

	2015	2016
<b>Bicycles</b>	on-road: 143 sidewalks: 133	276 51
<b>Peds</b>	309	340
<b>Transit</b>		-15%*

\*-9% citywide, -10% nationally, 2016 fewer school days

## Feedback:

GMT  
BFD  
BPD

## Crashes

(July 1 - Aug 31)

	2014	2015	2016
<b>Total</b>	23	12	9
<b>Damage</b>	20 damage 3 injury	8 damage 4 injury	8 damage 1 injury
<b>Type</b>	5 rear end 3 broadside 5 sideswipe 5 other	3 rear end 3 broadside 4 sideswipe 2 other	7 rear end 2 no turns

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20 damage  
3 injury

8 damage  
4 injury

8 damage  
1 injury

Type

5 rear end  
3 broadside  
5 sideswipe  
5 other

3 rear end  
3 broadside  
4 sideswipe  
2 other

7 rear end  
2 no turns

# What's Next for the Pilot?

Sept. 20-21: *fall travel times*

Oct. 2: *online survey ends*

Oct. 2016: *additional traffic data*

Oct. 17: *DPW's recommendations to  
Council\* for any pre-winter changes*

*\*packet online in advance*

**Ope**

# Now: Open Forum

[www.burlingtonvt.gov/dpw](http://www.burlingtonvt.gov/dpw)

863-9094 x3

[northavepilot@burlingtonvt.gov](mailto:northavepilot@burlingtonvt.gov)

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