



Williston Road Network Transportation Plan

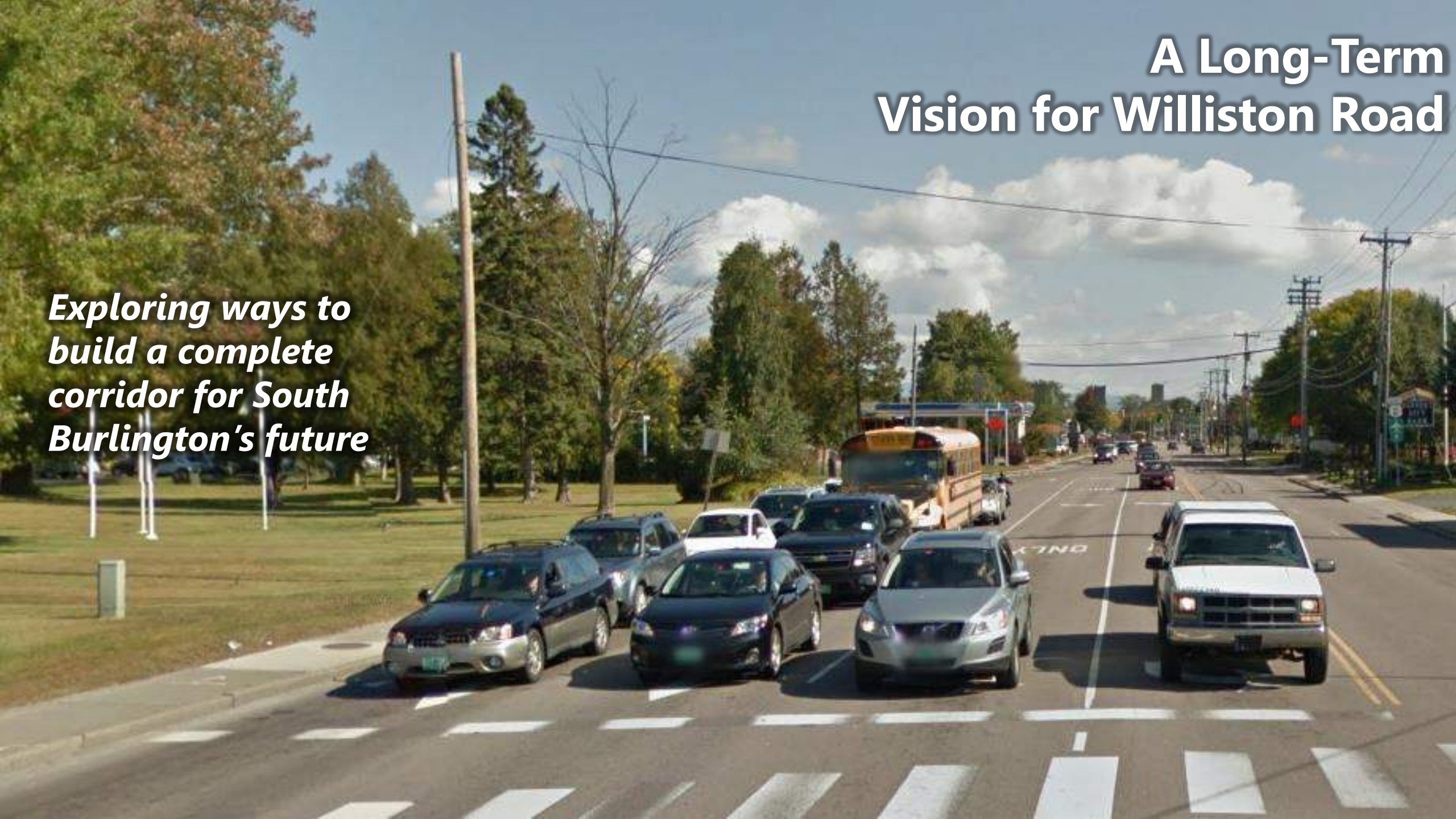
South Burlington Planning Commission Meeting

August 8, 2017



A Long-Term Vision for Williston Road

*Exploring ways to
build a complete
corridor for South
Burlington's future*



Project Team



- **Paul Conner** - Director of Planning & Zoning
- **Ilona Blanchard** - Project Director
- **Justin Rabidoux** - Public Works Director/City Engineer



- **Christine Forde** – Senior Transportation Planner



- **David Saladino** – Project Manager
- **Mark Hamelin** - Senior Landscape Architect/Planner
- **Erica Quallen** – Transportation Planner/Engineer

Project Timeline

PHASE 1

- **Preliminary Traffic Analysis** 2015

PHASE 2

- **Existing Conditions Assessment** *Winter – Spring 2016*
- **Public Outreach** *Spring - Summer 2016*
 - Williston Road Land Owner & Business Owner Meetings
 - Public Meetings
- **Alternatives Evaluation** *Fall – Winter 2016/7*
- **Implementation Plan** *Spring 2017*
- **Final Report** *August 2017*



Project Overview



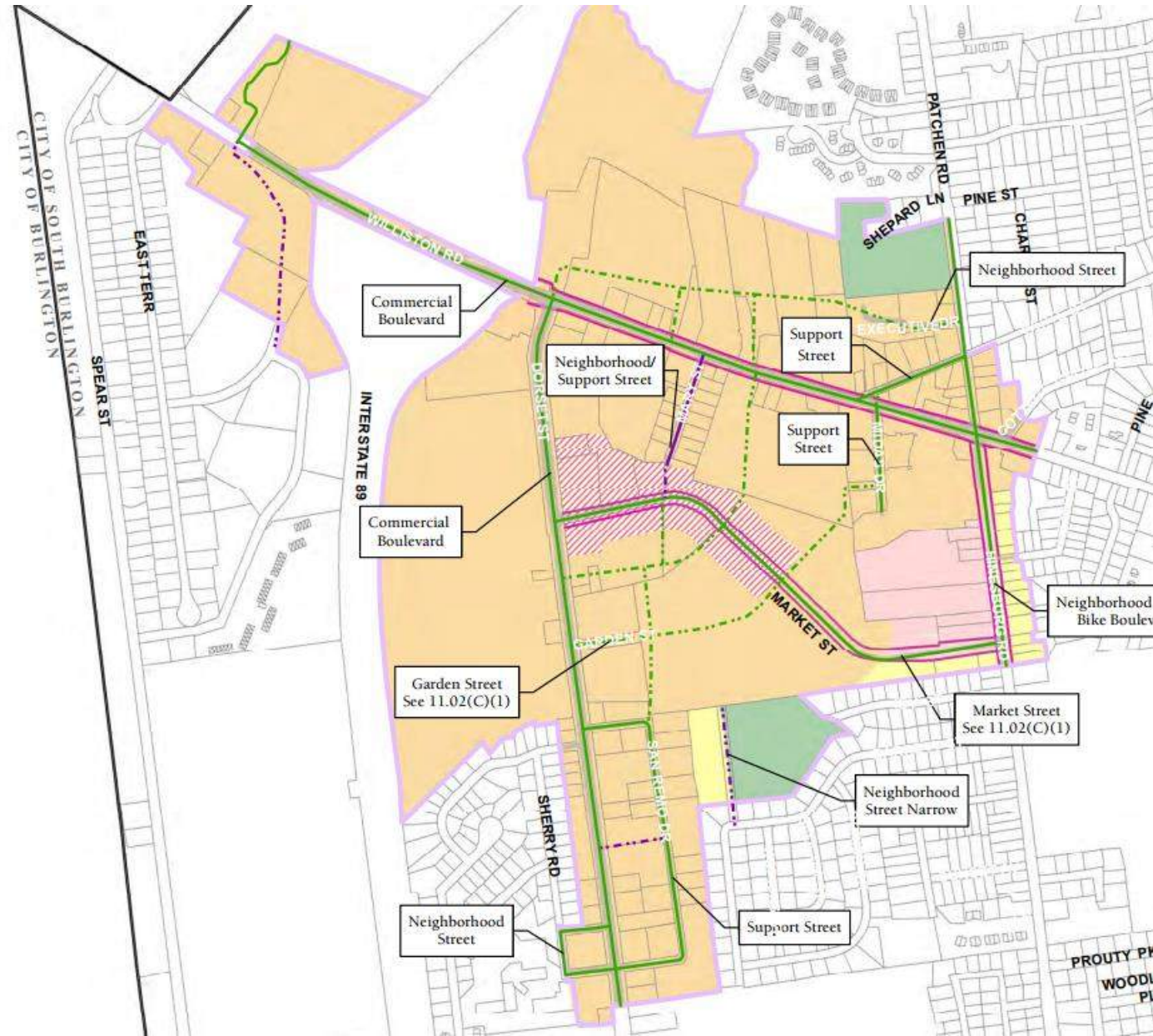
GOALS

- Provide opportunities to make Williston Road *complementary* to a new downtown
- Strike a balance between serving “*to*” and “*through*” trips
- Integrate design elements to facilitate *safe* movements for *all* modes
- Identify a *grid street network* to facilitate connectivity and accessibility

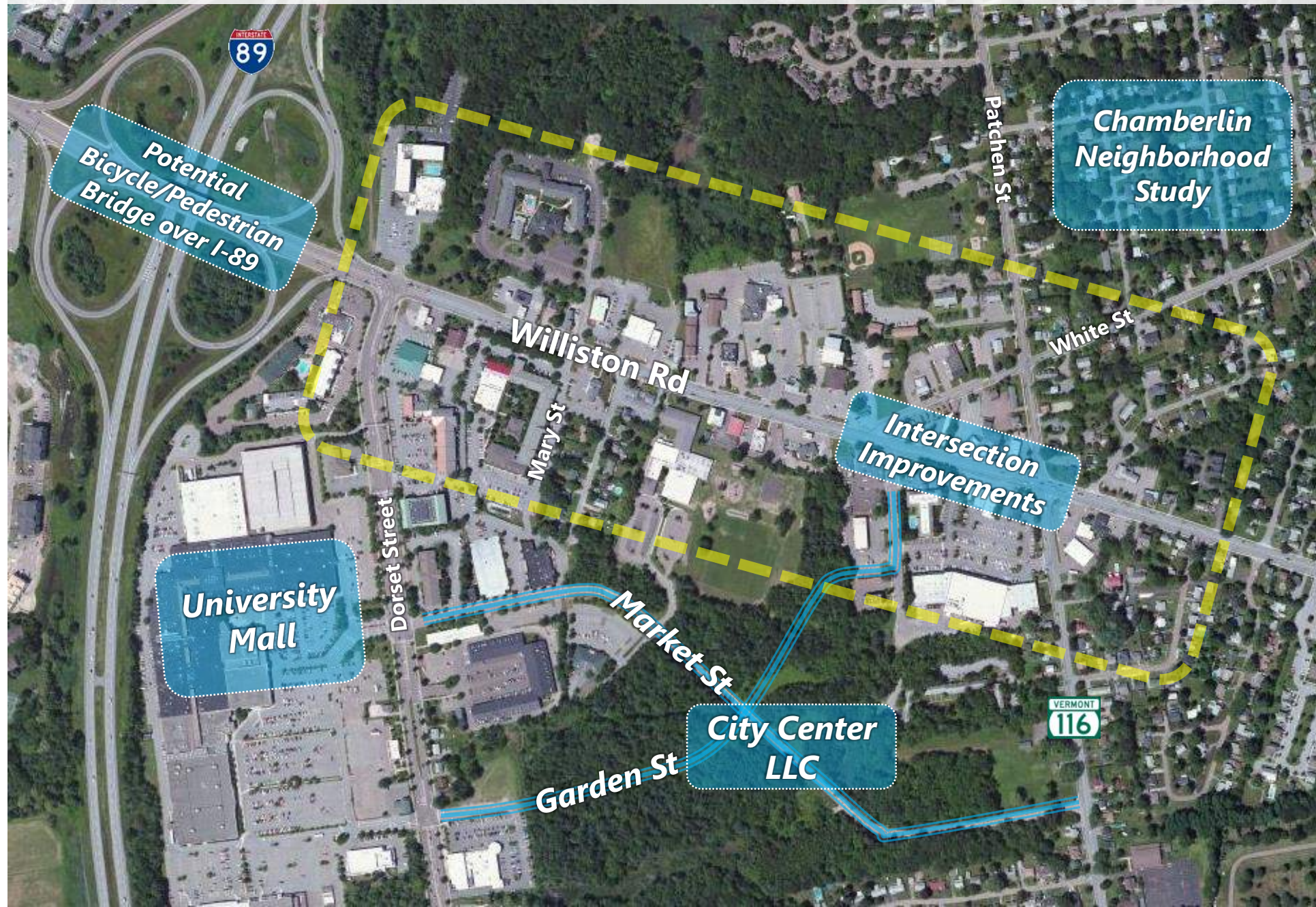
South Burlington City Center

Legend

- Existing Road Parcels
 - Planned Recreation Path
 - Primary Existing Streets
 - Primary Planned Streets
 - Secondary Existing Streets
 - Secondary Planned Streets
 - Planned Street Right of Way
- Proposed City Center Zoning
- Transect Zones
- T-1
 - T-3
 - T-3+
 - T-4
 - T-5
 - Park/Civic
- Street Designation Label



Coordination with Other Projects



Williston Road - Today



Williston Road - Today

1-story buildings
set back from road

35
mph

Sidewalks with narrow grass buffers

4-lane cross-section
(no turn lanes)

+/-2' shoulder



Williston Road - Today

**Busiest
intersection
in VT**

**Uneven lane
use**

**28,000 cars
per day**



Williston Road - Today

Span wire
signals

Utility poles in buffer

Limited transit
accommodations

Lack of left
turn lanes



Williston Road - Today



Multiple
driveways

Limited
Street
Trees

Multiple
driveways

Multiple driveways

Williston Road – Tomorrow?



**Strong
Building
Edge**

**Street
Trees**

**Reduced
curb cuts**

**Expanded
Pedestrian
Area**

Broadway – Boulder, CO

Williston Road – Tomorrow?



Williston Road Corridor Plan – Short-Term Recommendations

1) Update Official Map to Define Grid Street Network

2) Establish 100-Foot Right of Way (ROW)

- Currently 66 – 90 feet wide

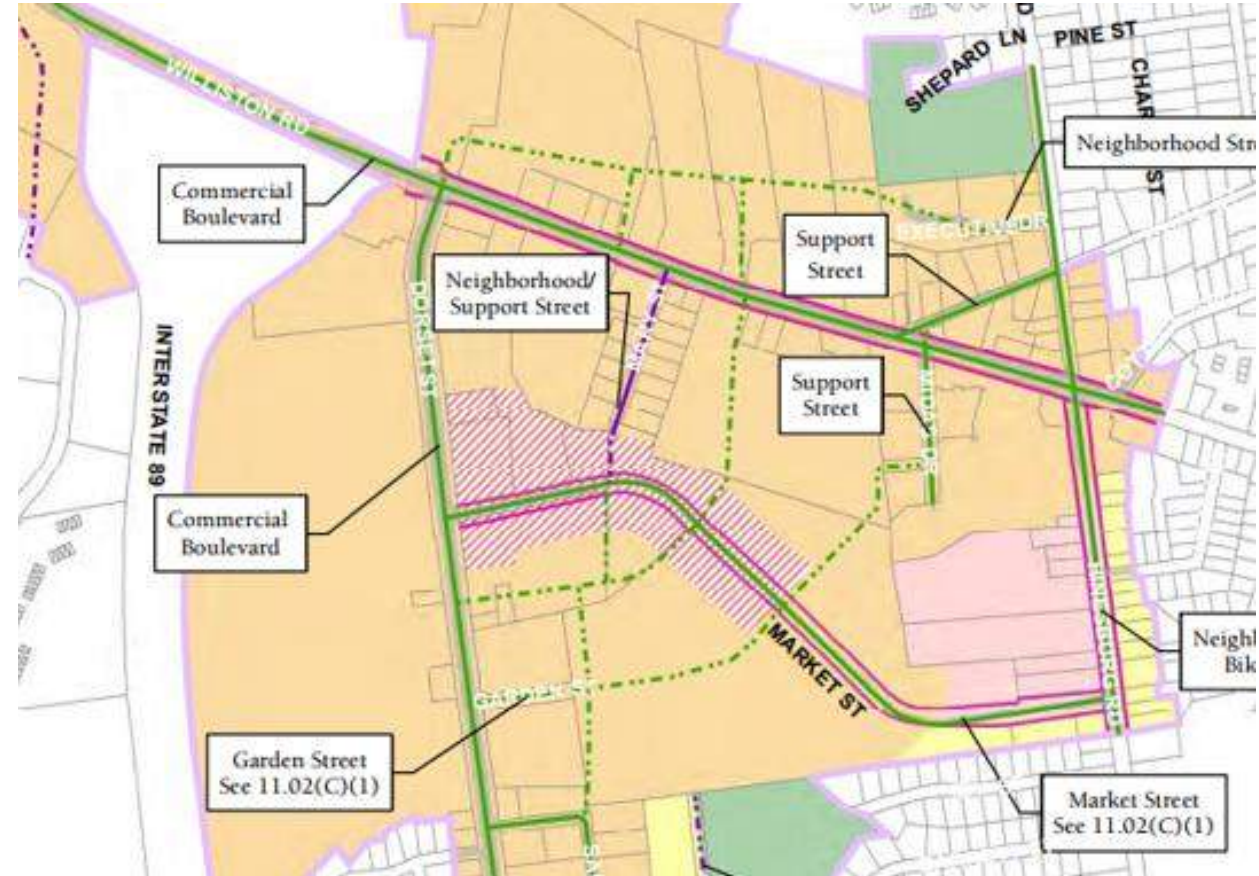
3) Traffic Signal Timing & Coordination

- Advanced Traffic Management Systems

4) Williston Road Improvements - South Side

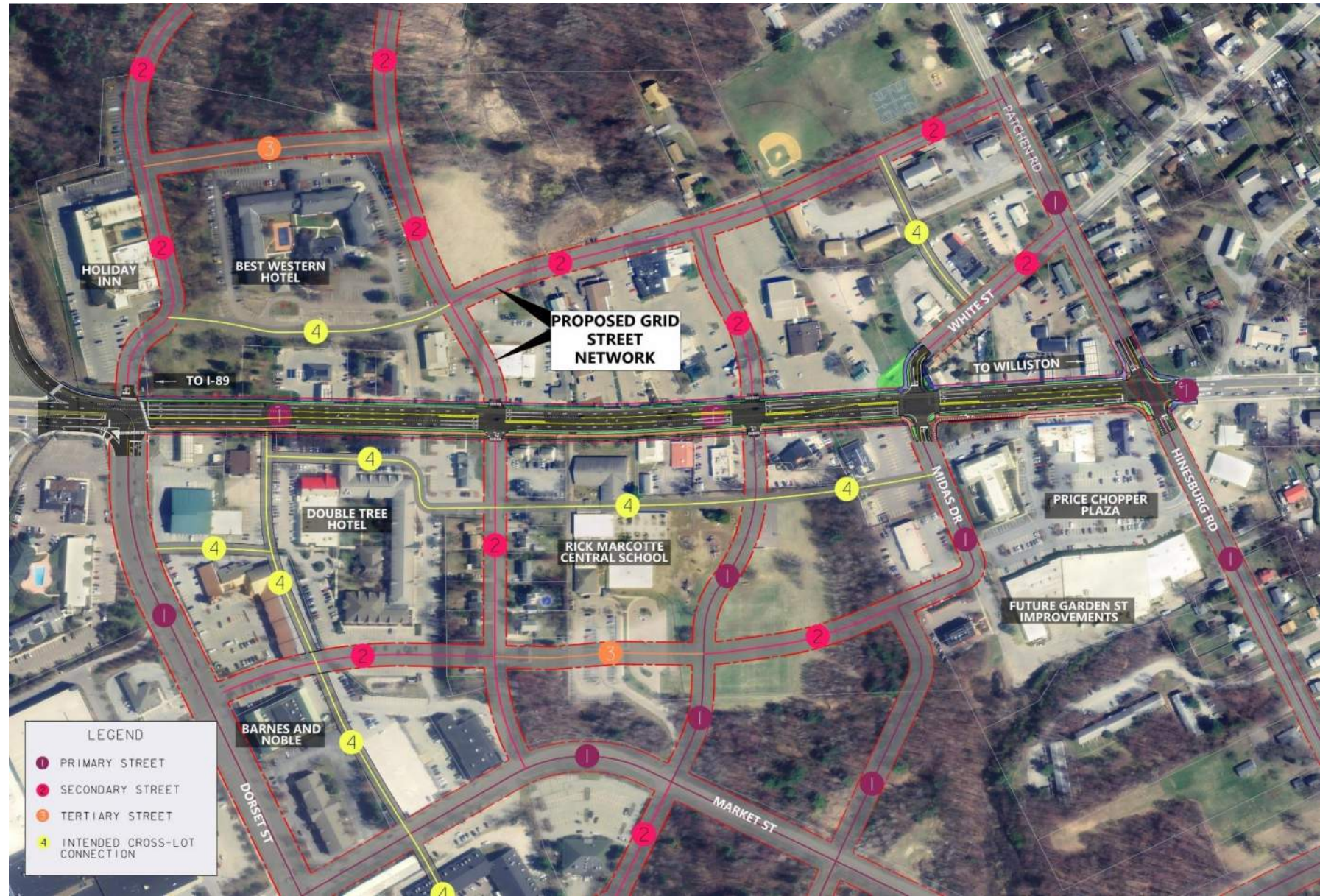
- Cycle Track
- Southern Sidewalk Relocation & Widening

5) Dorset Street Intersection Improvements



Williston Road Corridor Plan – Short-Term Recommendations

- **Primary Street**
 - Regional & local connectivity
 - Buildings *shall* front on street
- **Secondary Street**
 - Local connectivity
 - Street frontage should be predominantly buildings
- **Tertiary Street**
 - Access to destinations
 - Curbed & landscaped
- **Intended Cross-Lot Connection**
 - Suggested alignments to maintain connectivity
 - Specific configuration flexible



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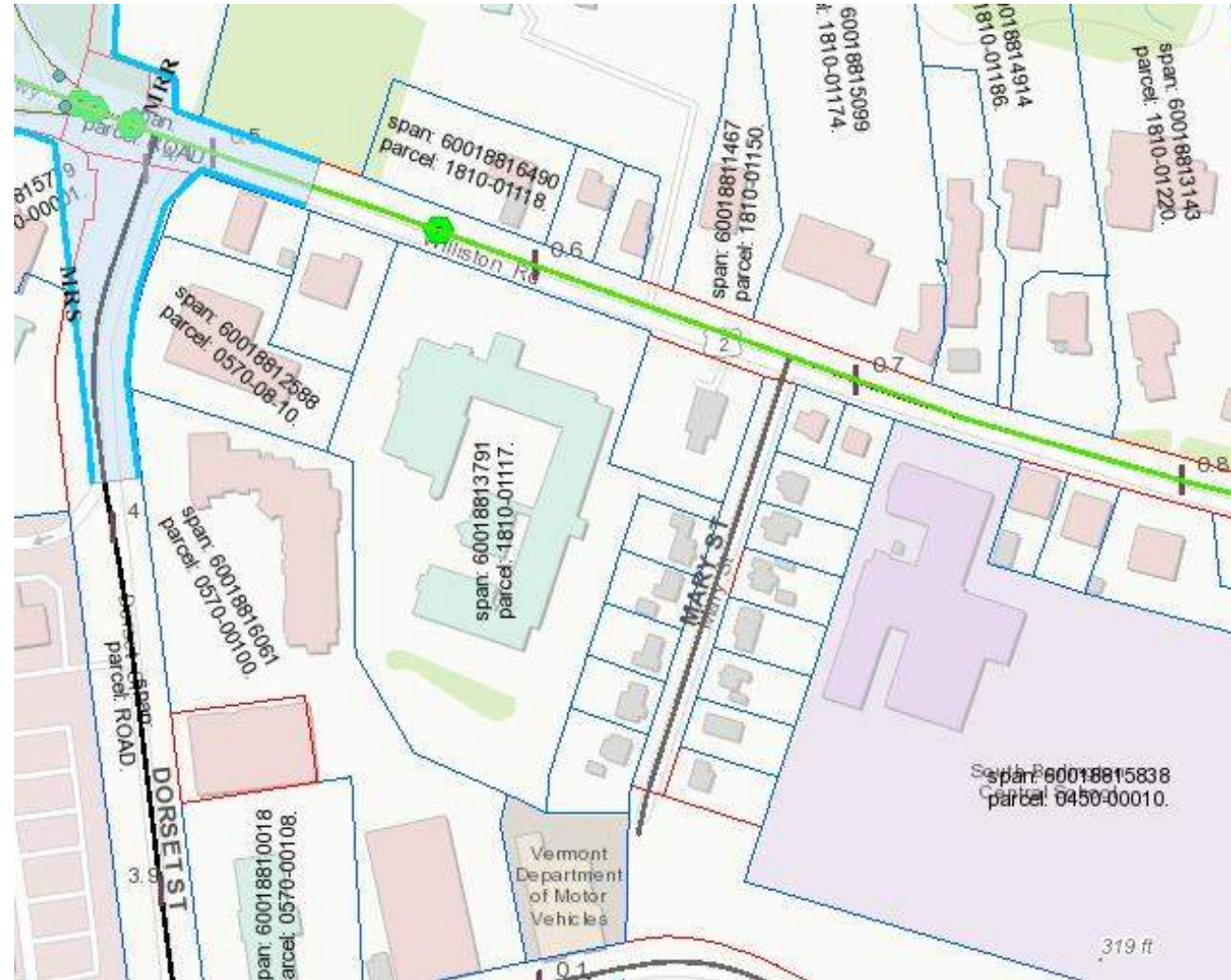
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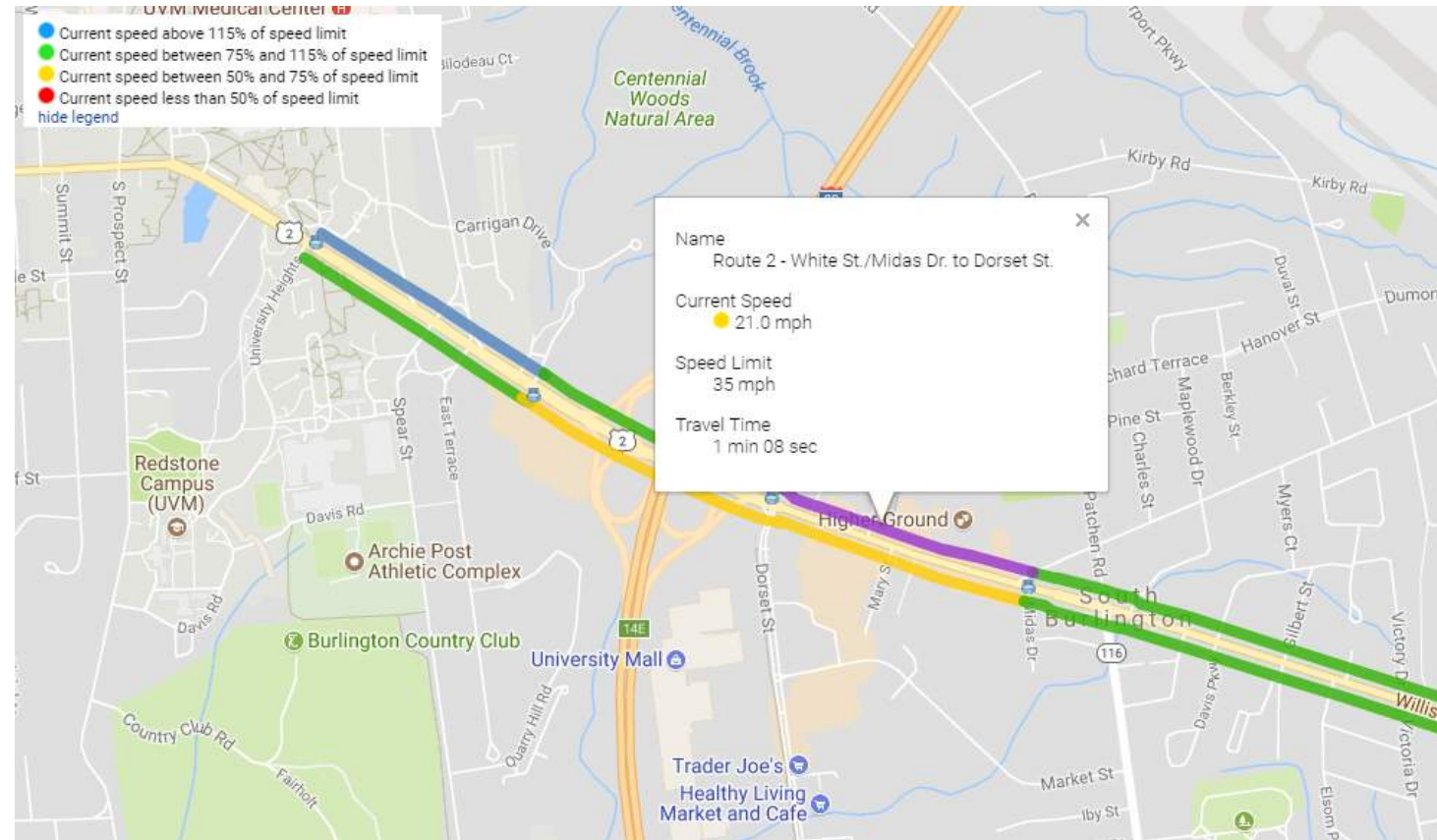
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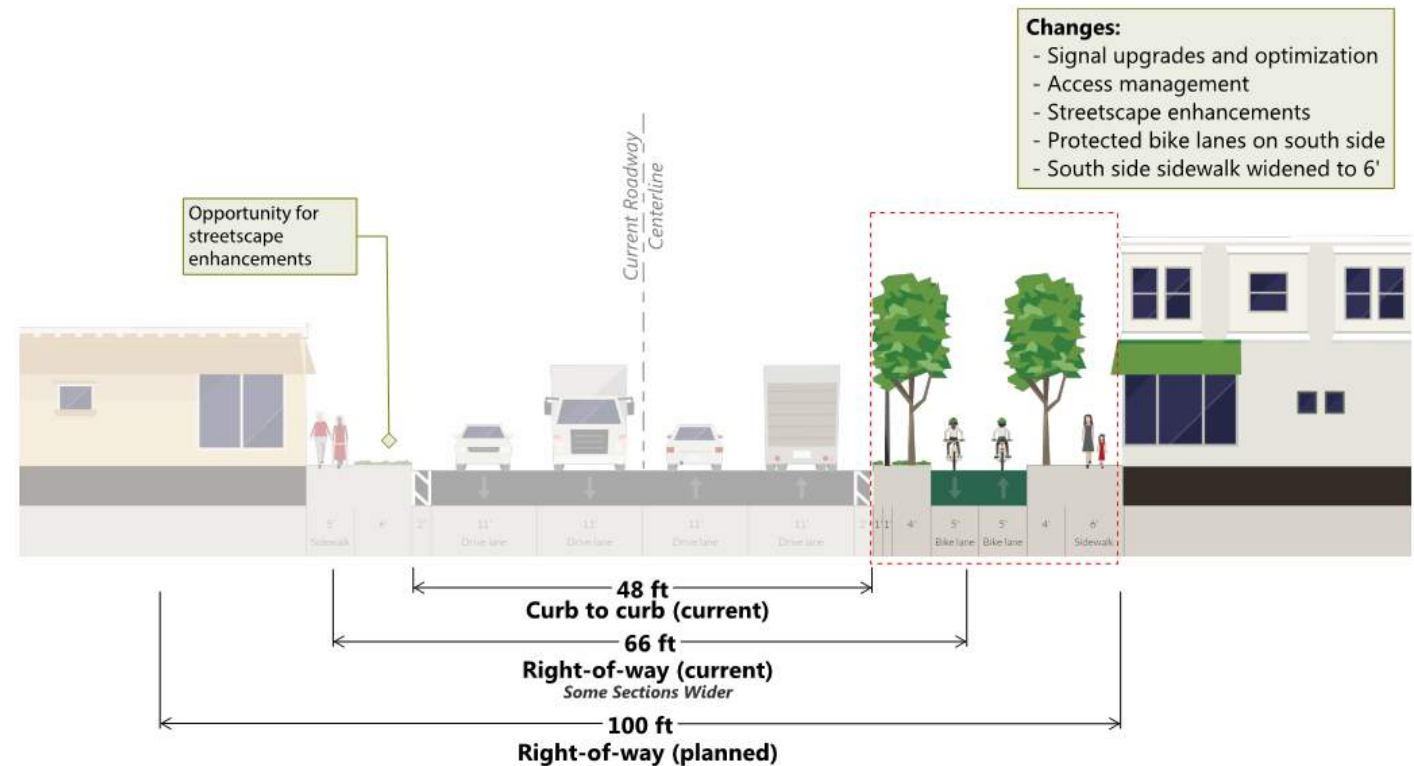
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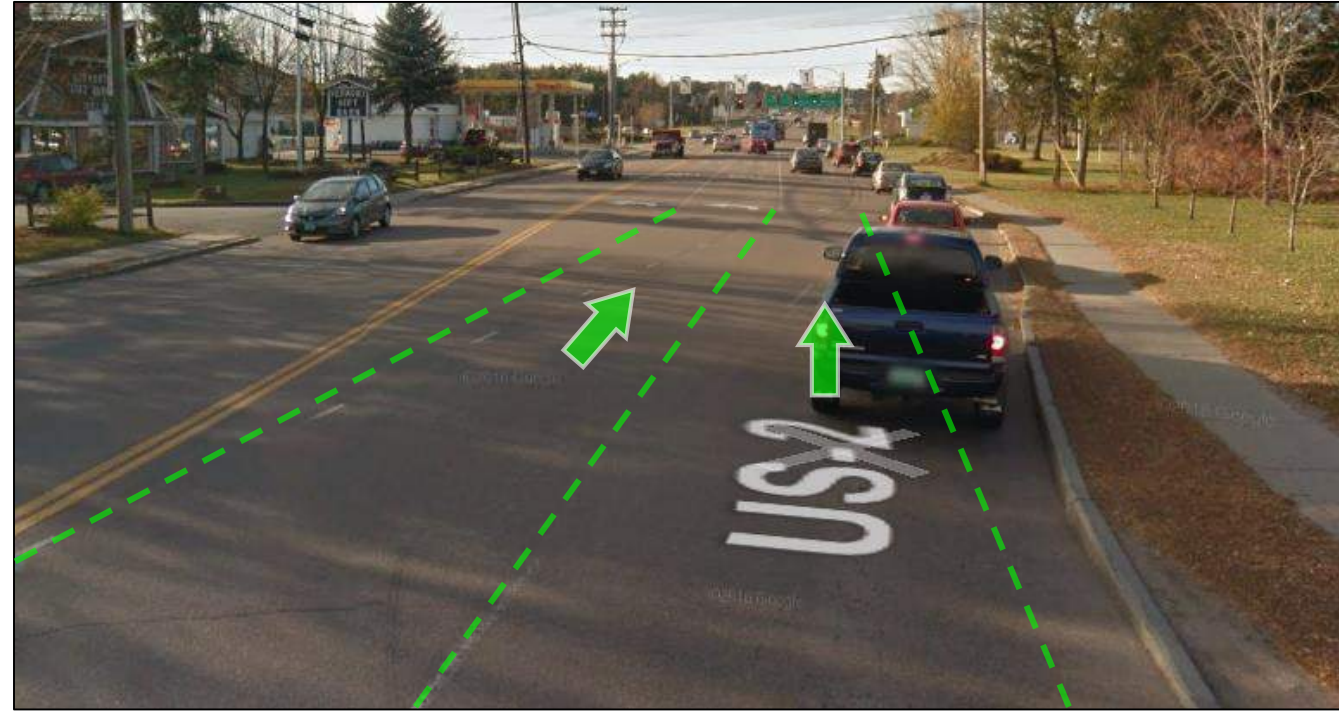
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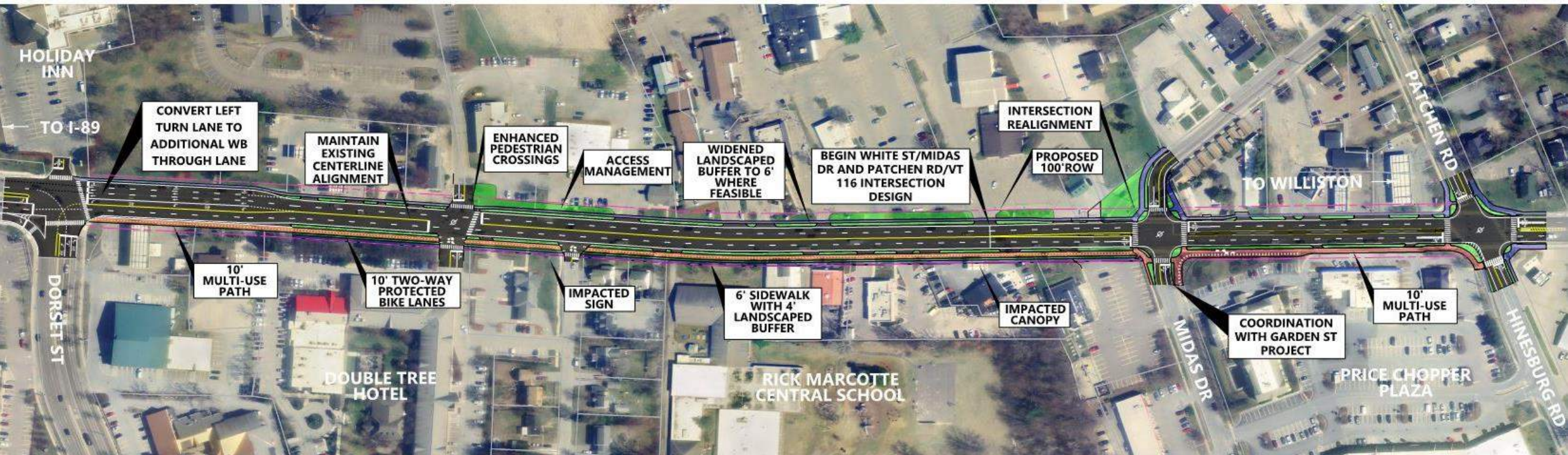
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5) Dorset Street Intersection Improvements

- Reduces LOS from D to C
- Reduces v/c from 0.98 to 0.92



Williston Road Corridor Plan – Short-Term Improvements



Williston Road Corridor Plan – Long-Term Recommendations

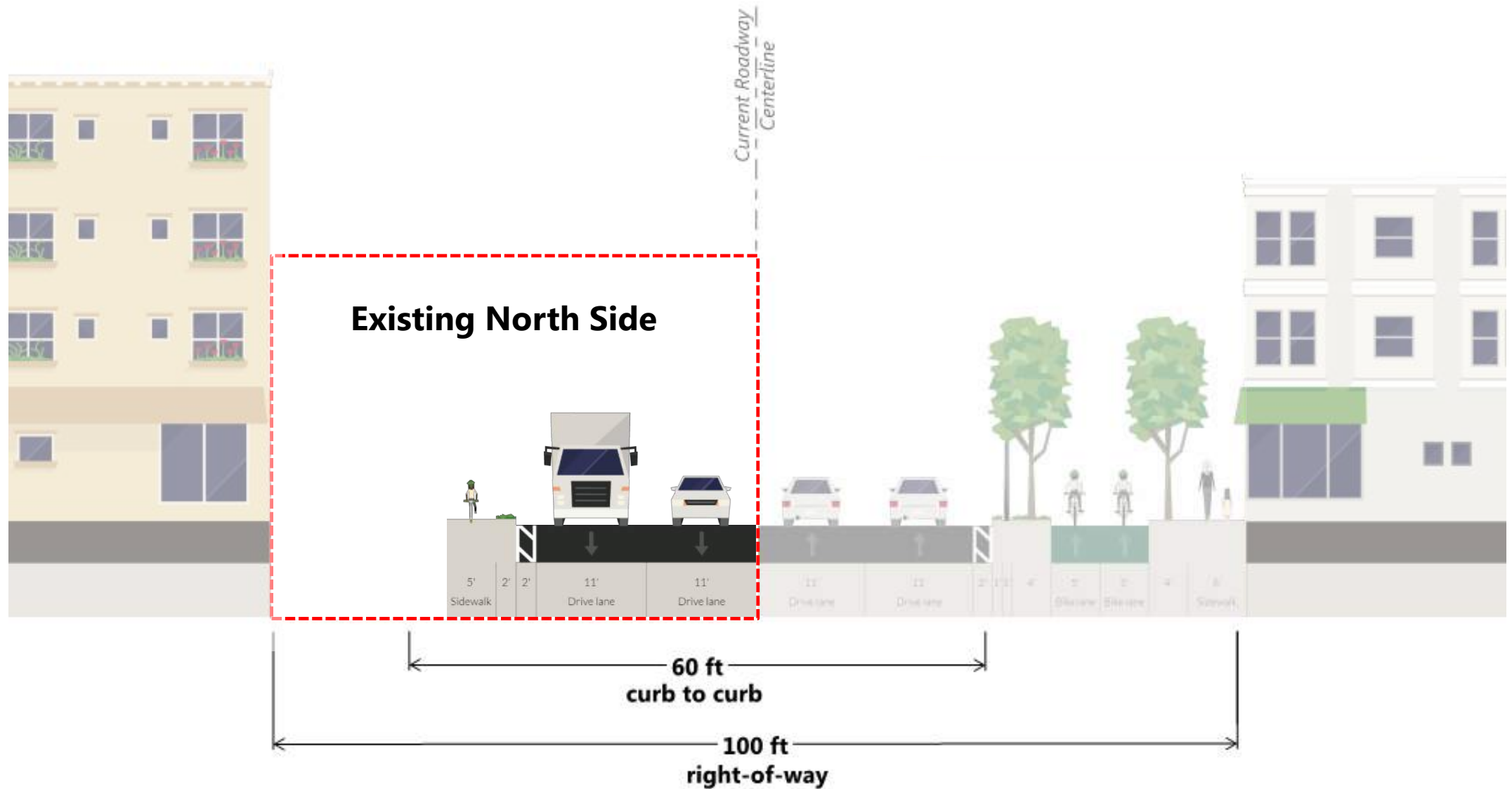
1) Williston Road Improvements - North Side Opportunities

- 1) Short-term: Establish 100 foot right-of-way and protected bicycle lanes on south side
- 2) Long-term: Refine street cross-section over time

2) I-89 Northbound Ramp Improvements

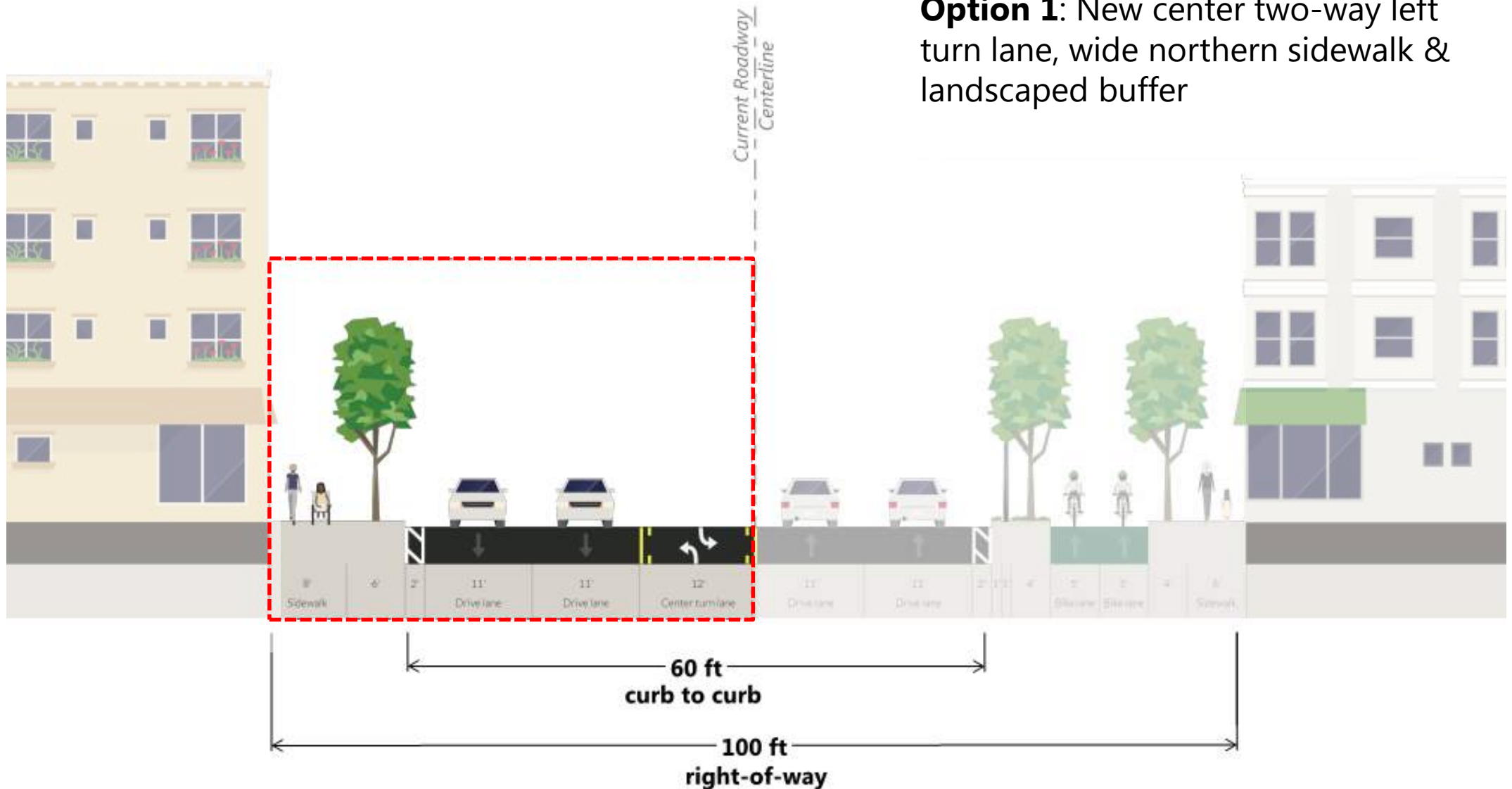
- Add second lane to the I-89 northbound on-ramp to accommodate two westbound approaching lanes.

Williston Road Corridor Plan – Long-Term Recommendations



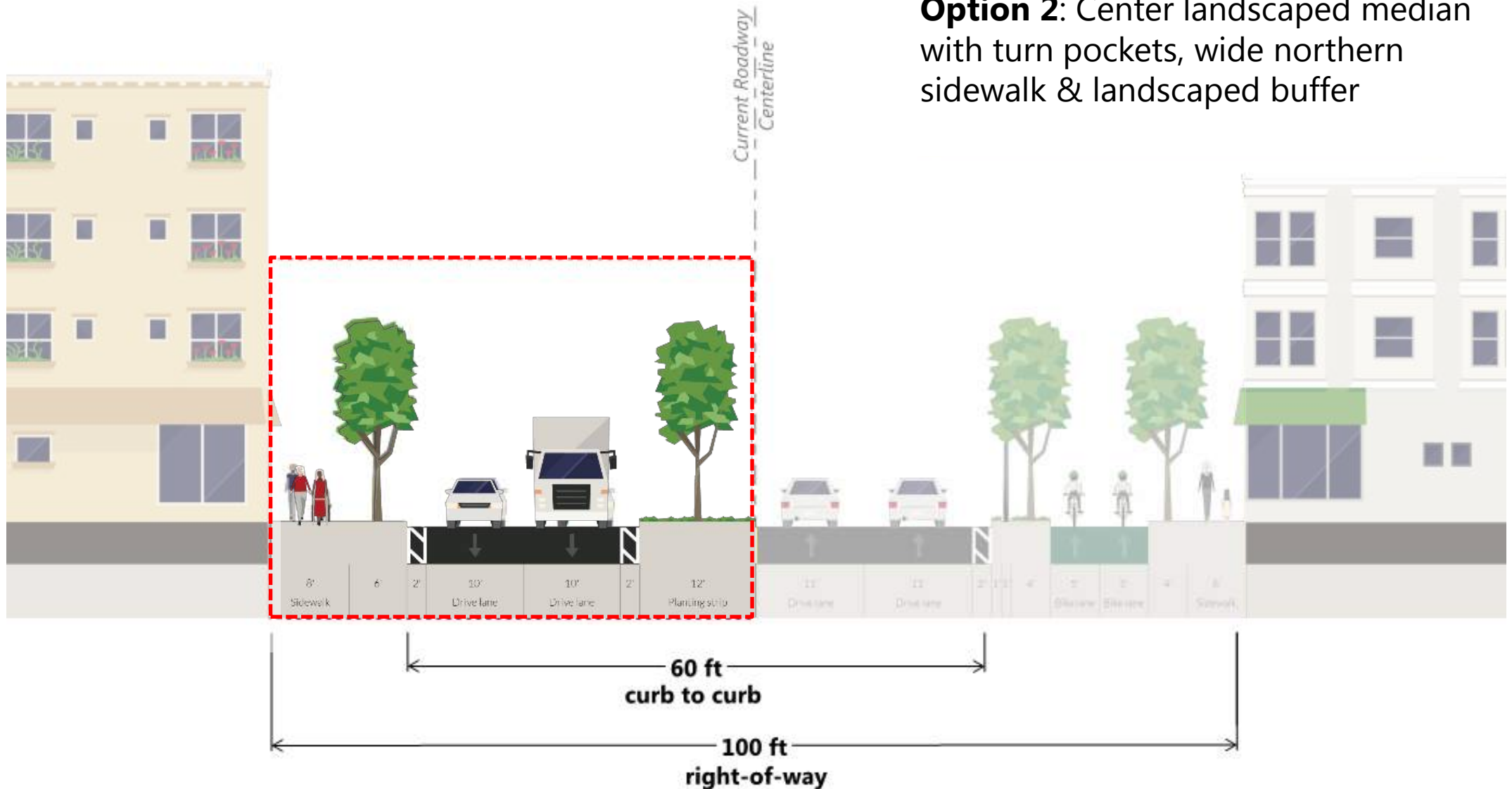
Williston Road Corridor Plan – Long-Term Recommendations

Option 1: New center two-way left turn lane, wide northern sidewalk & landscaped buffer



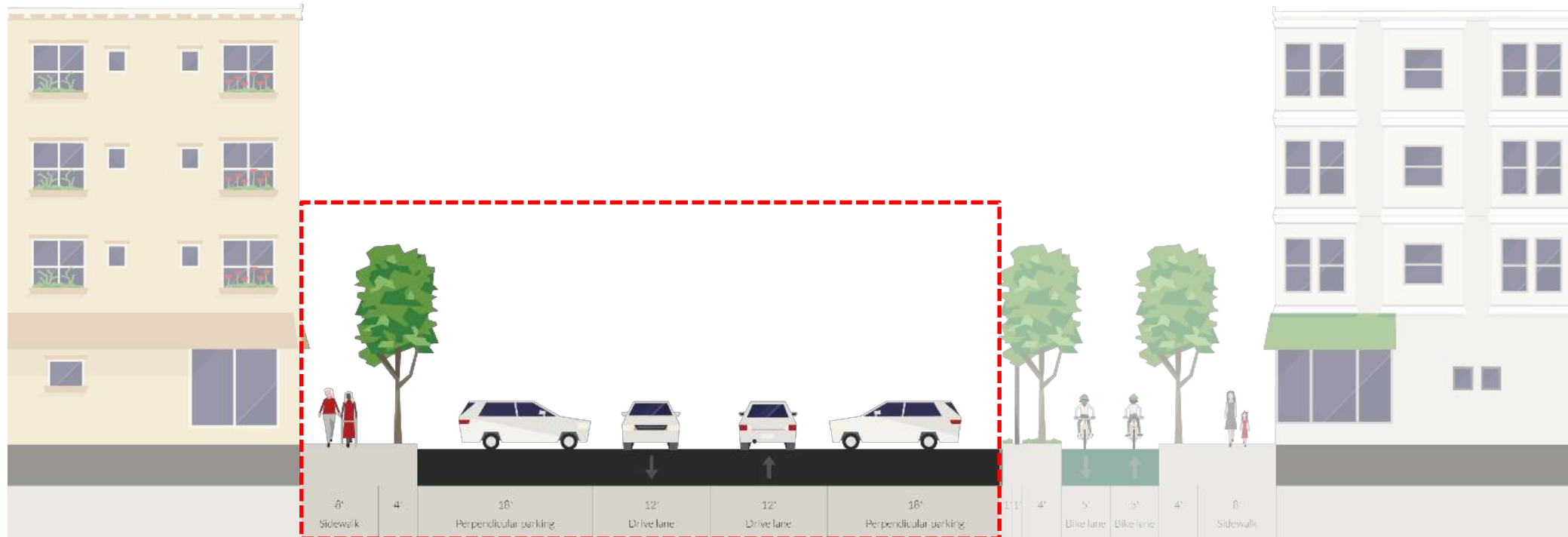
Williston Road Corridor Plan – Long-Term Recommendations

Option 2: Center landscaped median with turn pockets, wide northern sidewalk & landscaped buffer



Williston Road Corridor Plan – Long-Term Recommendations

Option 3: One lane each direction with angled parking



Williston Road Corridor Plan – Long-Term Recommendations



Williston Road Corridor Plan – Long-Term Recommendations

Option 4: One lane each direction with light rail.



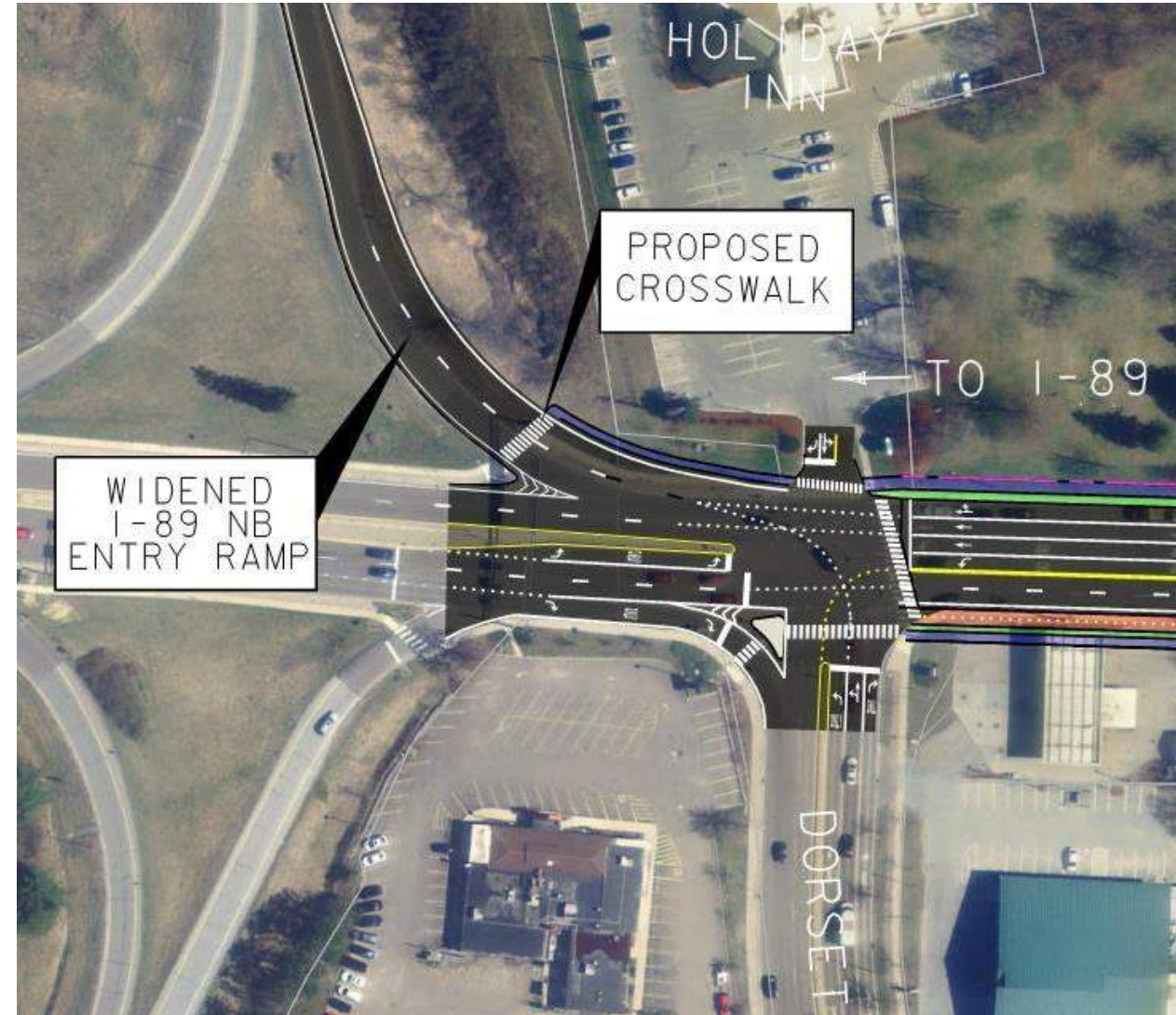
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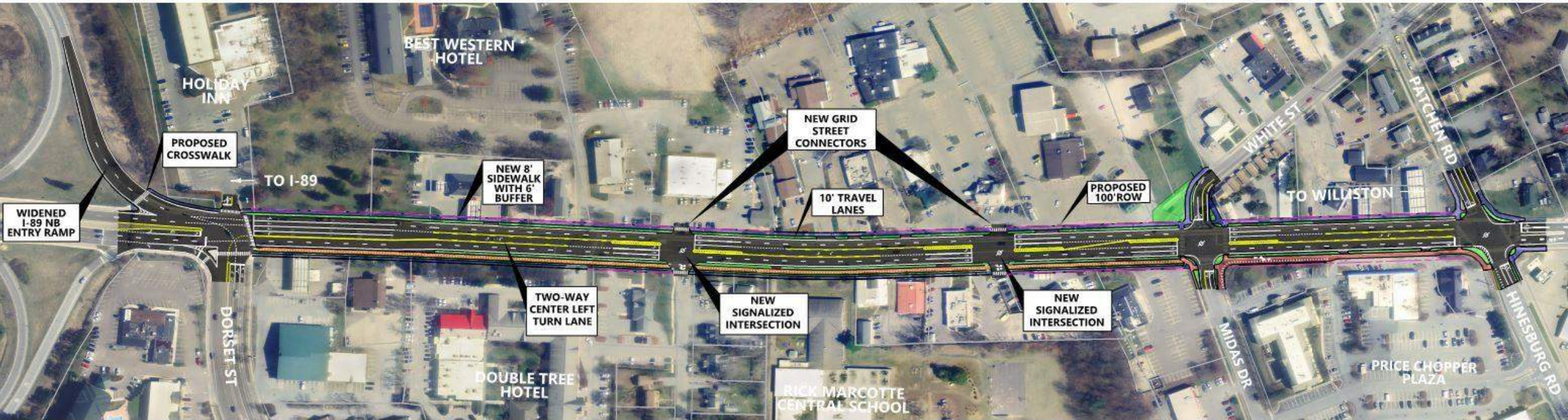
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Williston Road Corridor Plan – Long-Term Improvements



Williston Road Corridor Plan – Implementation Plan

	Implementing Parties	Meeting Purpose and Need				Approximate Construction Cost	Next Steps
		Elements that Compliment a New Downtown	Serving Both "to" and "through" Trips	Facilitate Safe Movements at a Reasonable Pace	Provides Accommodations for all Road Users		
Short Term Projects							
S-1) Update Official Map: Update map to accommodate planned grid street network	South Burlington Planning Commission and City Council	- Essential for providing grid street network	- Incorporates street hierarchy to accommodate both circulation and access			N/A; administrative change	Present revised Official Map to City Council
S-2) Acquire 100-Foot Right of Way: The City should acquire the rights as needed to establish a 100-foot right-of-way along Williston Road from Dorset Street to Hinesburg Road	City of South Burlington, Land Owners	- Essential for providing Williston Road improvements				TBD; based on appraisals and property owner negotiations	Acquire property rights in fee or by easement during land development process
S-3) Traffic Signal Timing & Coordination: Optimize signal timing & coordination plans along Williston Road and Dorset Streets.	City of South Burlington, CCRPC, VTrans		- Enhances capacity of Williston Road without physical expansion			TBD; awaiting recommendations from Systems Engineering (SE) study	Cotinue with routine re-timing. Implement recommendations from Williston Road SE study.
S-4) Williston Road Improvements - South Side: Construct protected bike lanes, landscaped buffer and 6' sidewalk on south side of Williston Road	City of South Burlington, CCRPC, VTrans	- Streetscaping - Bike/Ped Accommodations	- Access Management	- Curbs and buffer for bike lanes	- Protected Bike Lanes - Widened Sidewalk	\$1.3 million	Secure funding and advance design, permitting, and property acquisitions
S-5) Williston Road / Dorset Street Intersection Improvements: Restripe westbound Williston Road lane assignments	City of South Burlington, VTrans		- Decreased congestion	- Decrease lane weaving conflicts		\$5,000	Prepare signing and striping plan, traffic control plan, and solicit bids for construction.
Long Term Projects							
L-1) Williston Road Improvements - North Side: Construct an additional travel lane (two-way center left-turn lane), an eight-foot sidewalk, and landscaped buffer on the north side of Williston Road.	City of South Burlington, CCRPC, VTrans	- Streetscaping - Pedestrian accommodations	- Removes left-turning vehicles from through lanes	- Enhanced lighting and landscaping will calm speeds	- Widened Sidewalk	\$5.3 million	Continue planning for final Williston Road cross-section.
L-2) Grid Street Network: Construct grid streets as opportunities arise.	City of South Burlington, Property Owners	- Grid Network	- Increased Connectivity	- Improved Mobility	- Include bike/ped facilities on new streets	\$14.2 million	Identify opportunities for construction of grid street segments during development review process.
I-89 NB On-Ramp Expansion: Widen the I-89 northbound on ramp to include a second lane for several hundred feet.	City of South Burlington, VTrans, FHWA		- Decreased congestion for "to" trips -Improved access to I-89 for "through" trips	- Decreased congestion at corridor terminus		\$3.5 million	Initiate conversation with VTrans and FHWA about lane widening and complete permitting and design.

A Long-Term Vision for Williston Road

Questions?

