

Selectboard Meeting

VT 2A Scoping Study - Industrial Avenue/ Mountain View Road to River Cove Road Williston, Vermont

October 21, 2013

One Team.

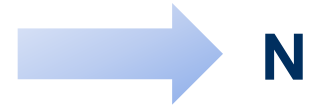
Infinite Solutions.



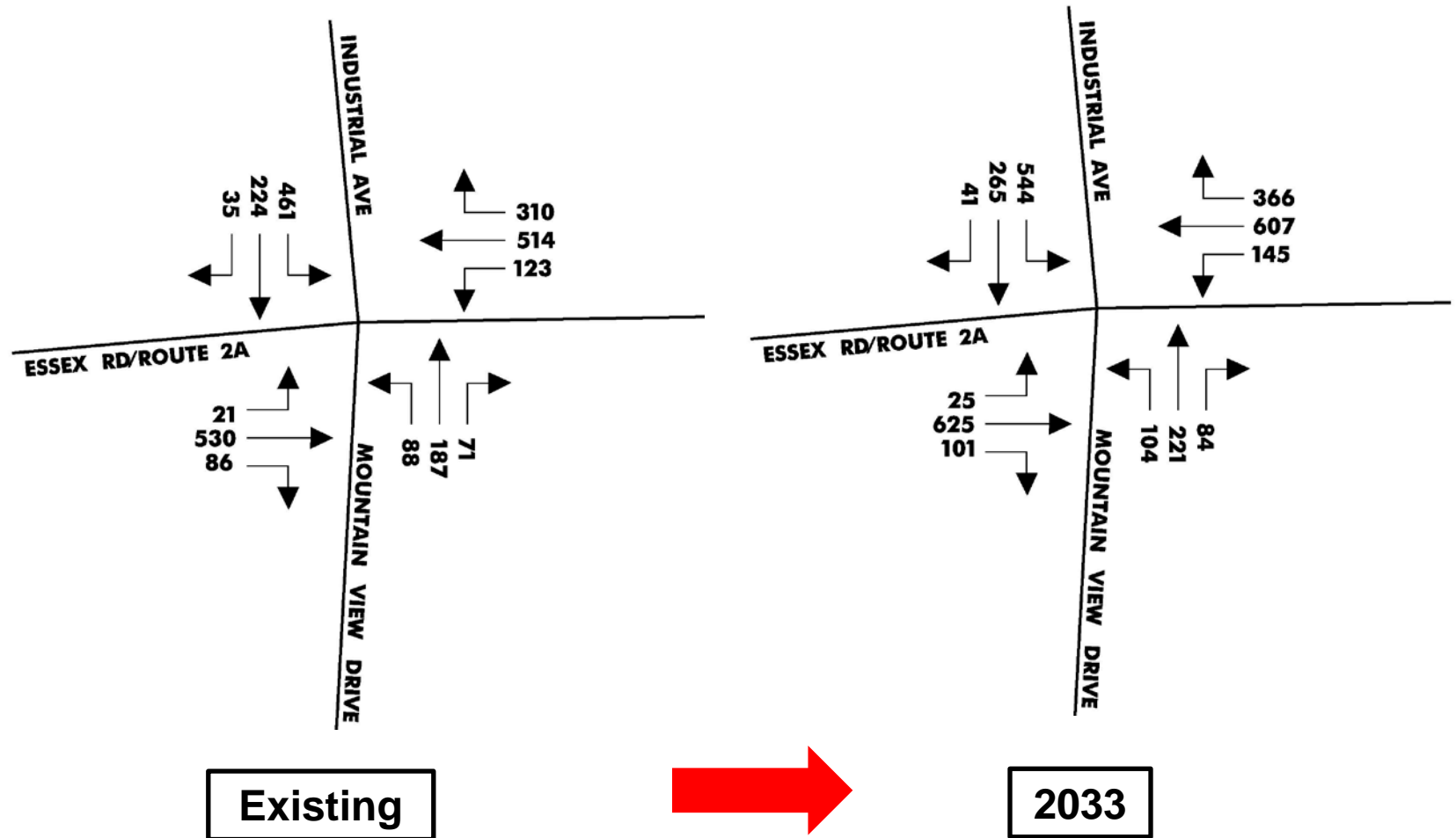
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Meeting Purpose

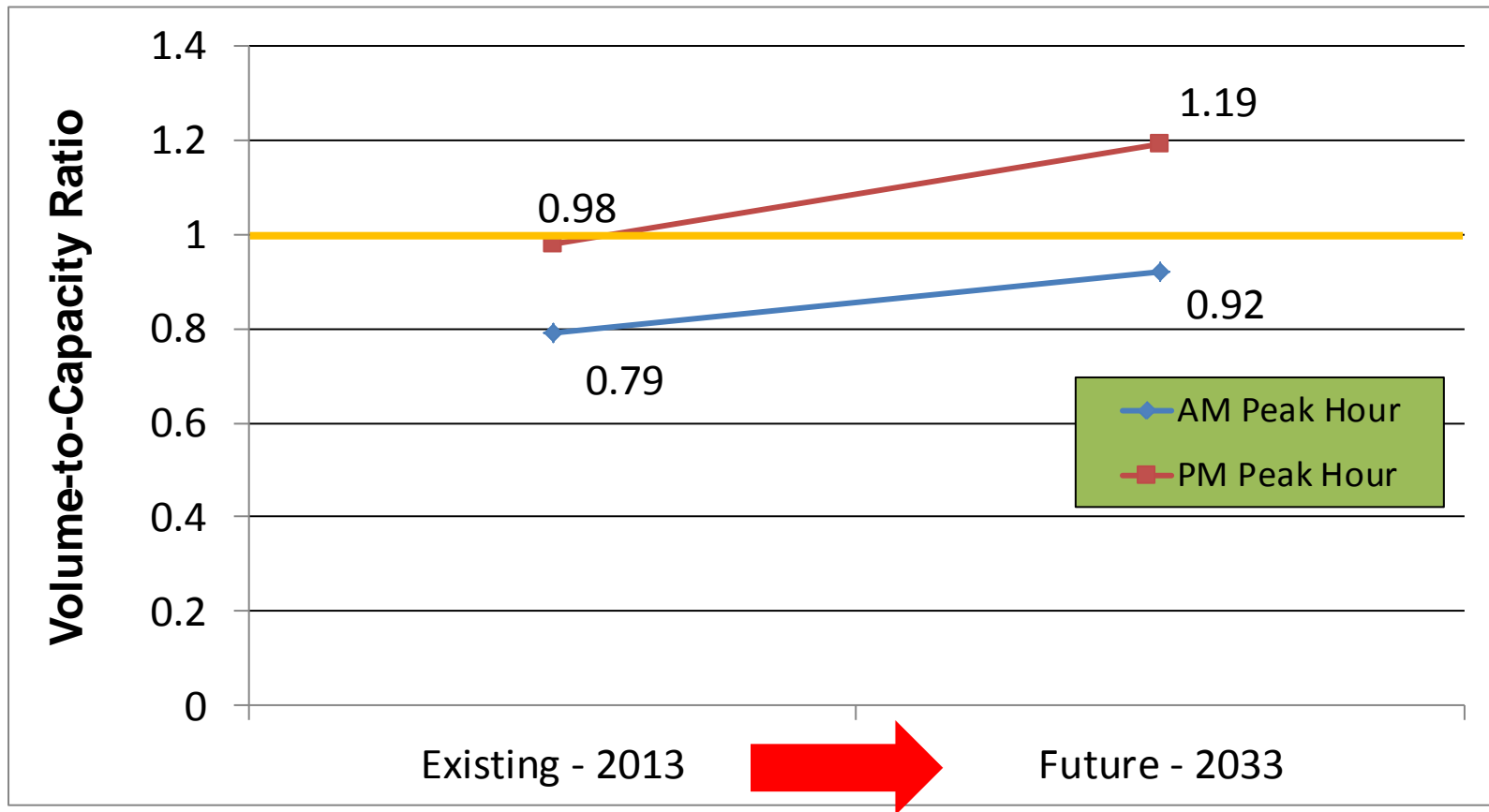
- Provide project summary
- Describe “viable” alternatives



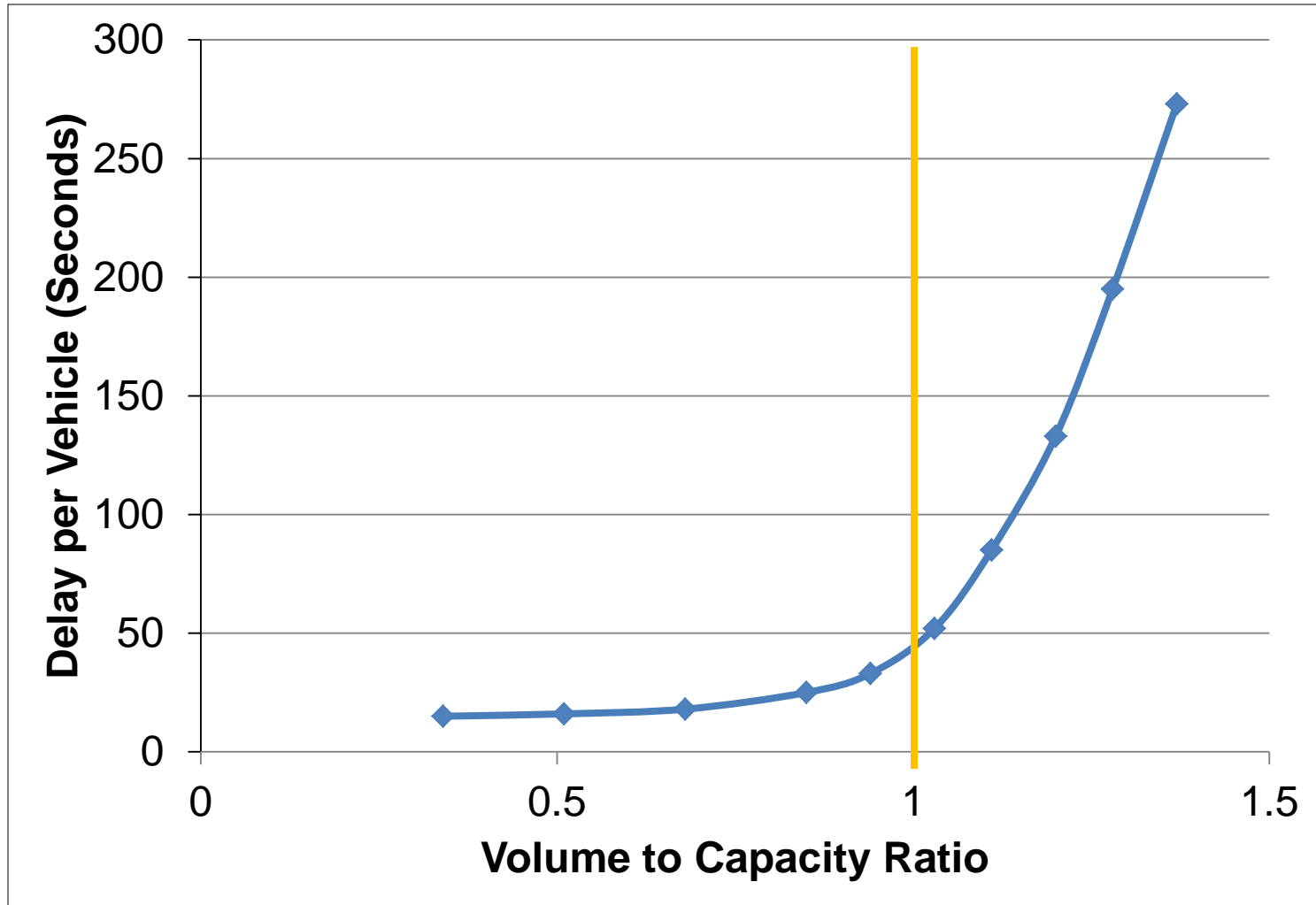
Traffic Volume Projections



Traffic Operations Forecast



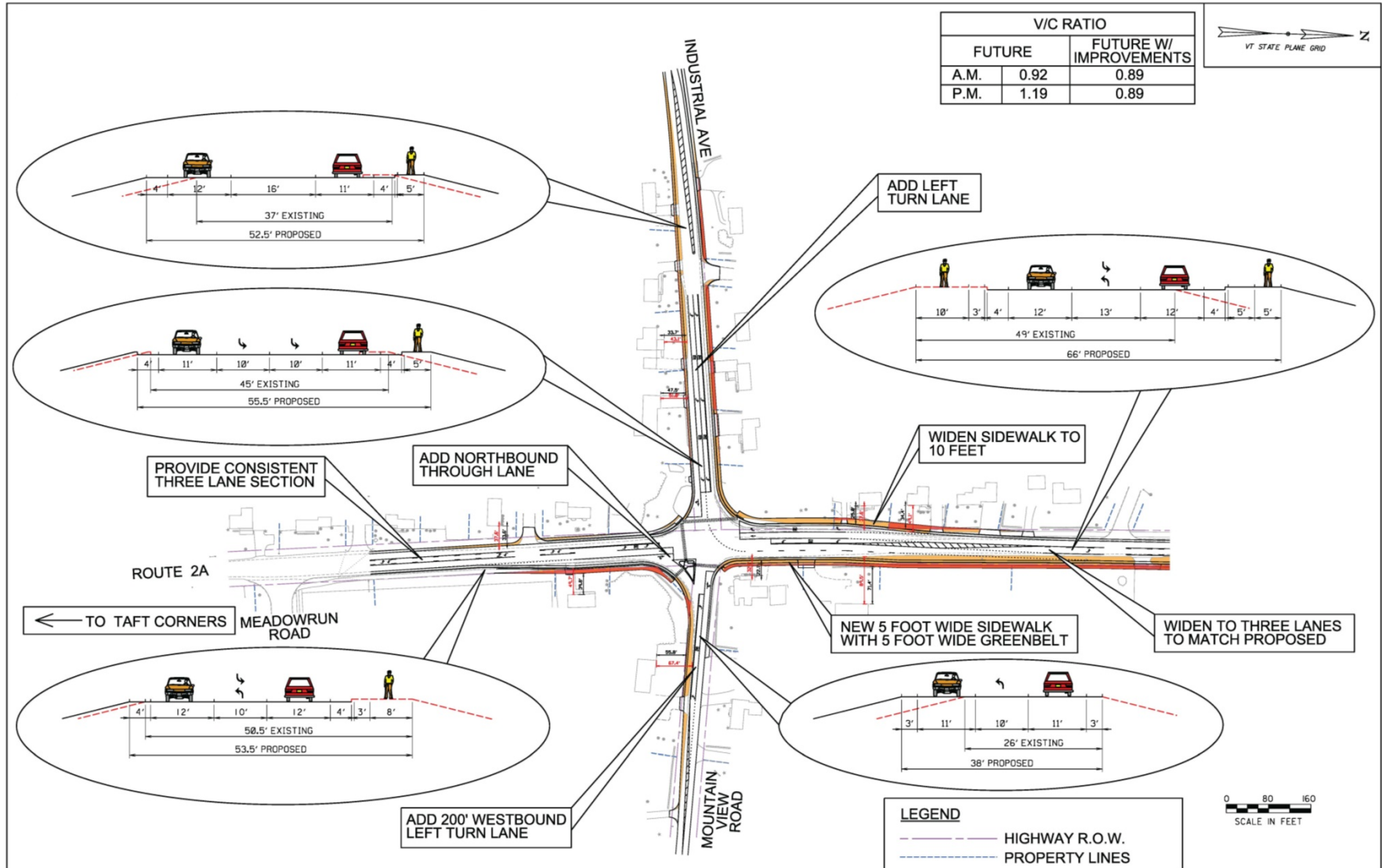
Classic Delay vs. V/C Ratio Curve



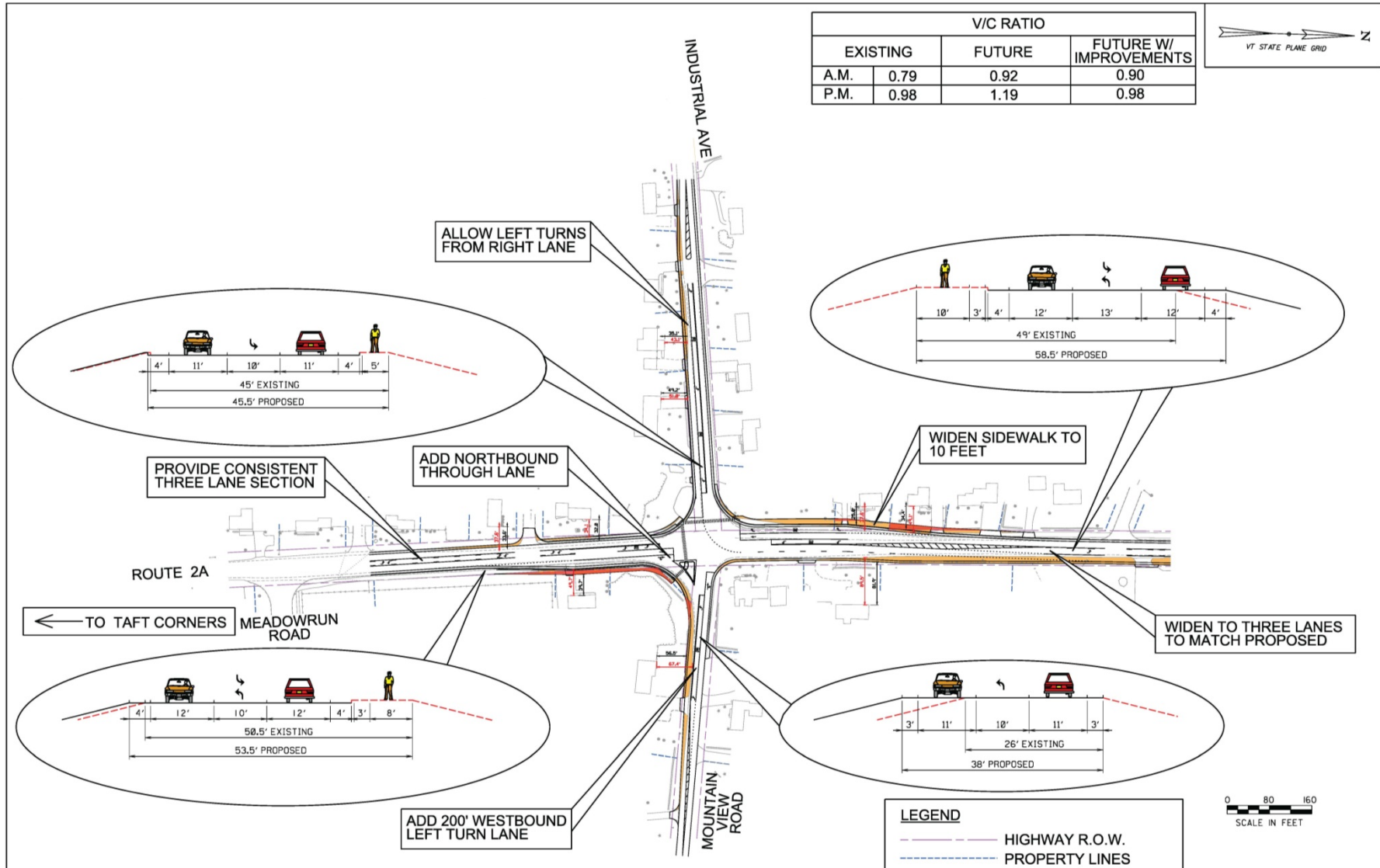
Existing Conditions



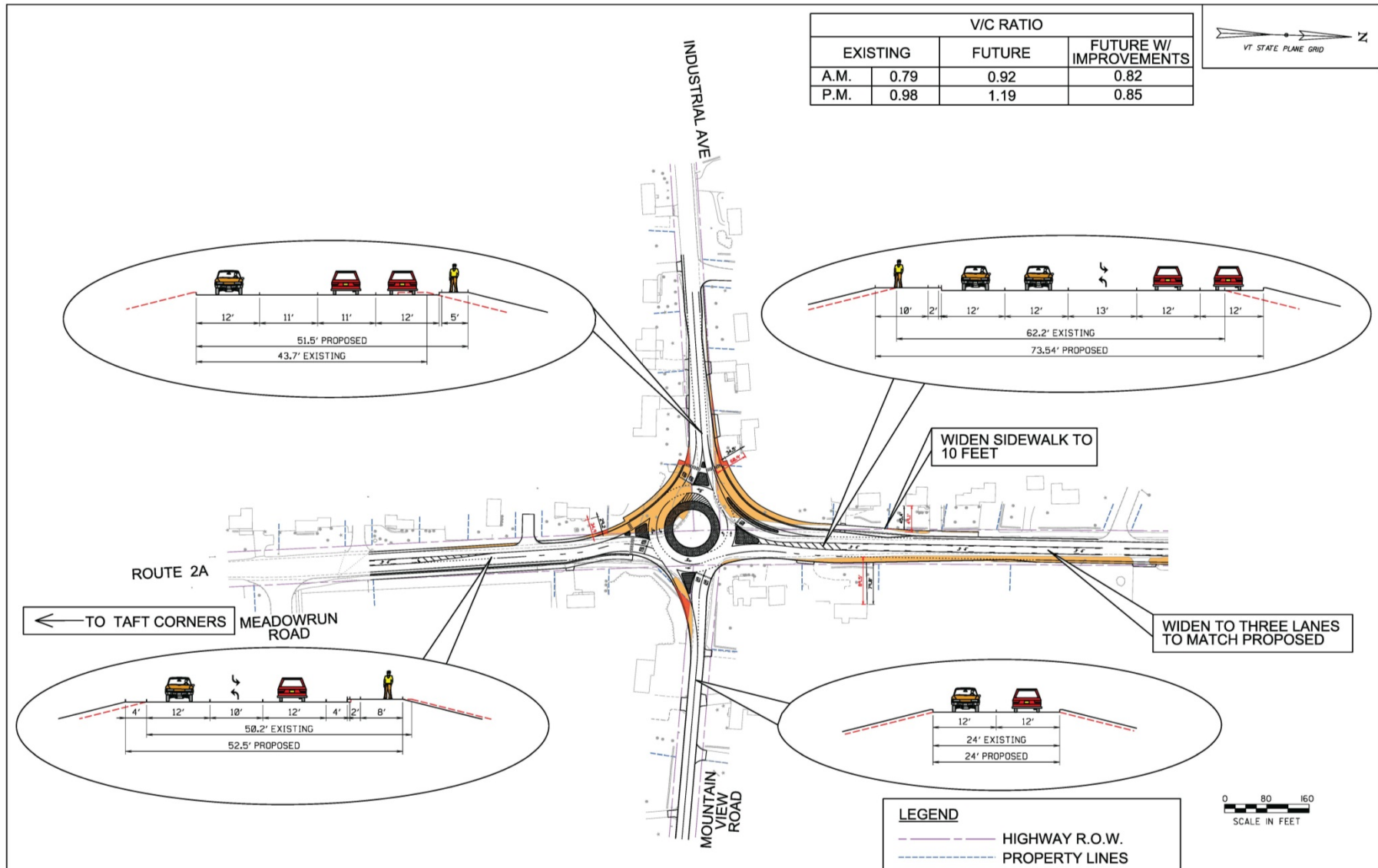
Option 3: All Lane Additions



Option 5: Some Lane Additions



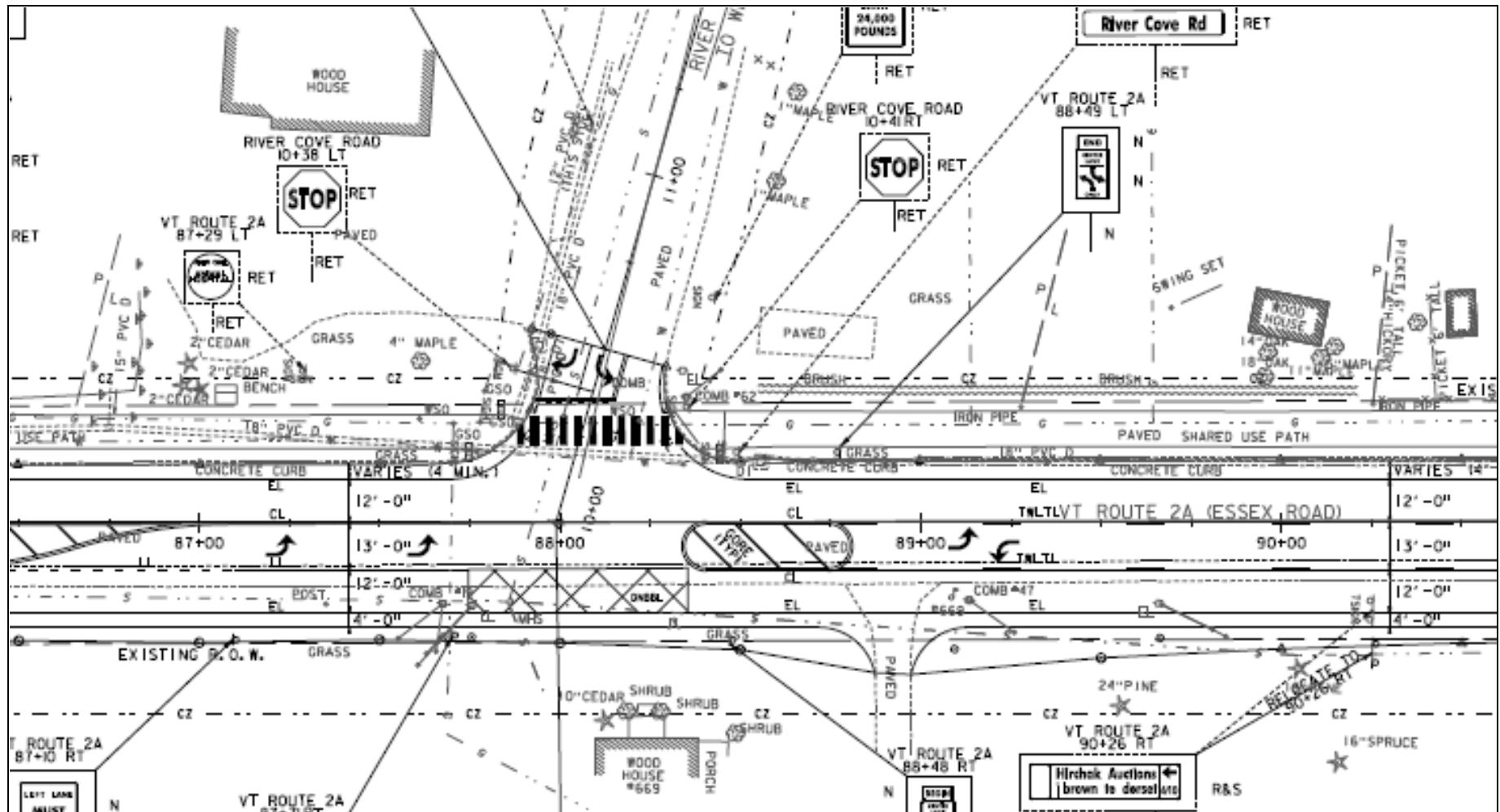
Option 7: Dual Lane Roundabout



Comparison of Alternatives

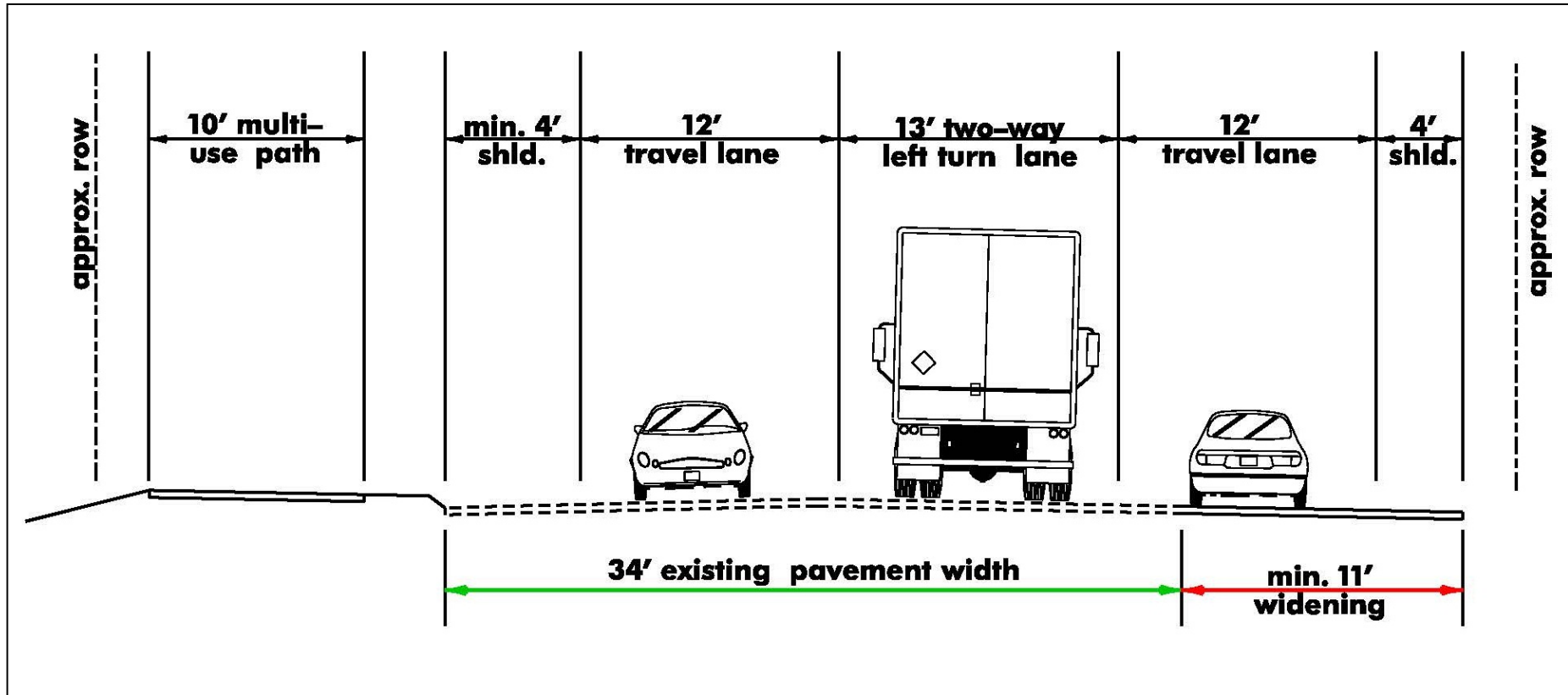
Benefit or Impact	All Lane Additions	Some Lane Additions	Roundabout
Worst V/C Ratio	0.89	0.98	0.85
“Life Expectancy”	31 Years	22 Years	35 Years
Added Pavement	25,000 SF	14,000 SF	24,000 SF
ROW Takings-Area	5,200 SF	2,800 SF	1,300 SF
ROW Takings-Parcels	15 Parcels	7 Parcels	5 Parcels
Tree Loss	3 Trees	3 Trees	5 Trees
Utility Poles Moved	14	11	12
Construction Cost	\$2.0 million	\$1.7 million	\$2.4 million

VT 2A Alternatives

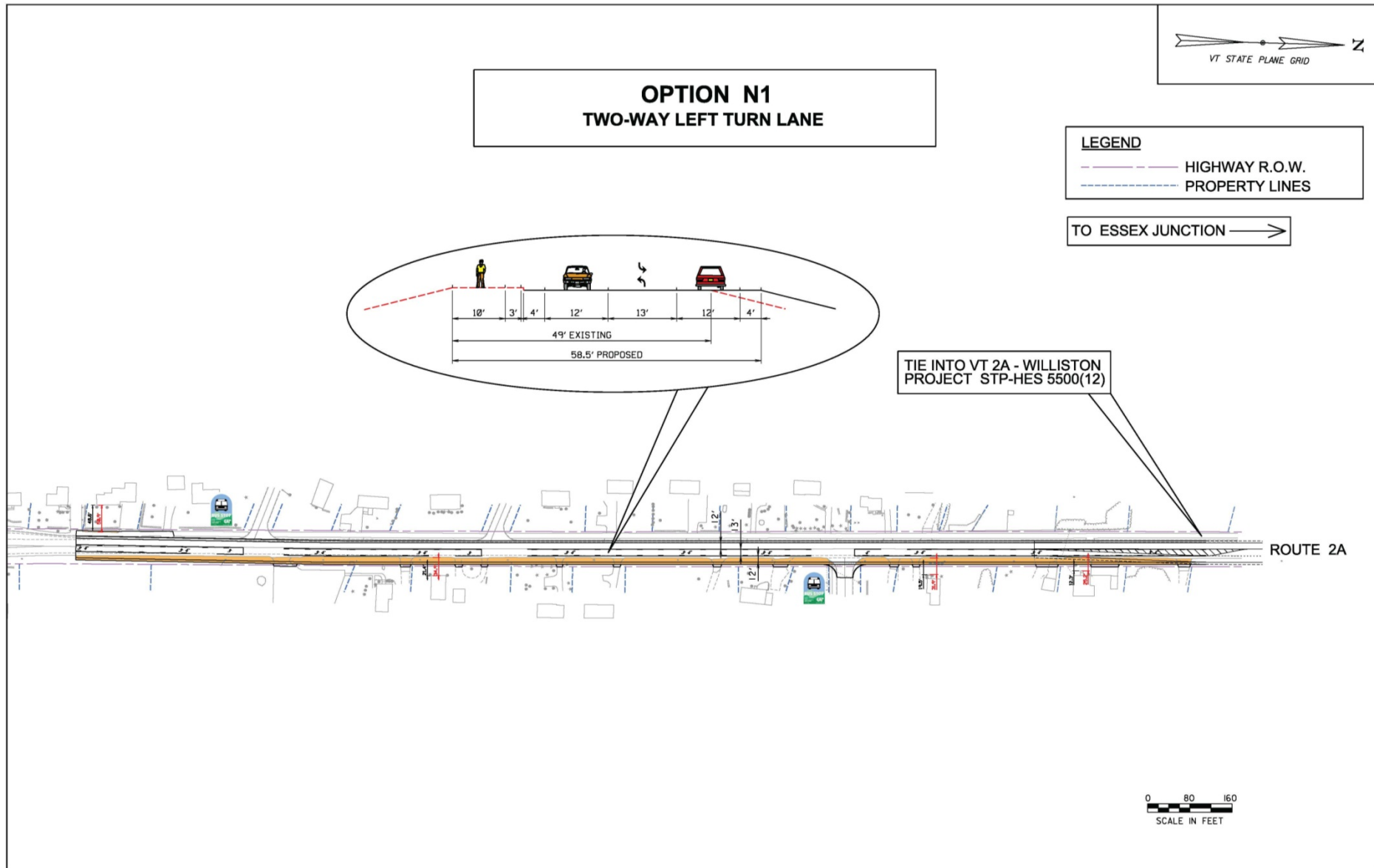


Proposed Improvements for VT 2A North of River Cove Road

Looking North



Option N1: Three-Lane Section



Option N2: Add Sidewalk on East Side

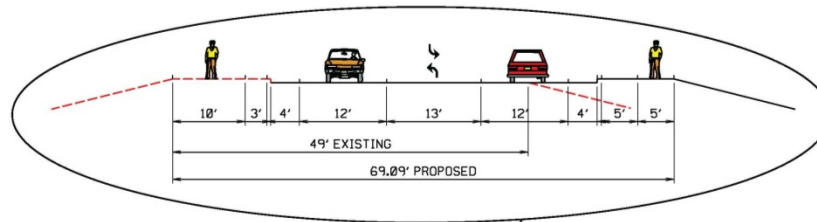


OPTION N2
TWO-WAY LEFT TURN LANE WITH
5 FT SIDEWALK ON EAST SIDE OF VT 2A

LEGEND

— HIGHWAY R.O.W.
--- PROPERTY LINES

TO ESSEX JUNCTION →



TIE INTO VT 2A - WILLISTON
PROJECT STP-HES 5500(12)

ROUTE 2A

0 80 160
SCALE IN FEET

Pedestrian Safety

- Pedestrian Actuated Rapid Flashing Beacons
- Crosswalks
- Pedestrian Refuge Island



Comparison of Alternatives

Benefit or Impact	Existing	3-Lane Cross Section	3-Lane Cross Section + Sidewalk	Existing + Sidewalk
Sidewalks	One Side	One Side	Two Sides	Two Sides
"Bike Lanes"	On Street	On Street	On Street	On Street
Refuge Islands	No	Yes	Yes	No
New Pavement	None	27,000 SF	50,000 SF	19,000 SF
ROW Takings-Area	None	None	15,000 SF	None
ROW Takings-Parcels	None	None	17 Parcels	None
< 25 Feet of Driveway	None	None	2 Parcels	None
Tree Loss	None	6 Trees	11 Trees	5 Trees
Utility Poles	None	14	14	14
Construction Cost	None	\$0.9 million	\$1.2 million	\$0.4 million

Choices.....

- Intersection: Add Lanes vs. Roundabout?
- VT 2A: Third Lane vs. East Side Sidewalk?

Next Steps

- CIRC Alternatives Task Force Meeting on October 30, 2013
- Receive Comments
- Submit Final Report