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Williston-Essex Network Transportation Study

Steering Committee Meeting #4

Existing Traffic Conditions
Network-Wide Goals & Objectives
Preliminary Strategy Packages

September 25, 2012

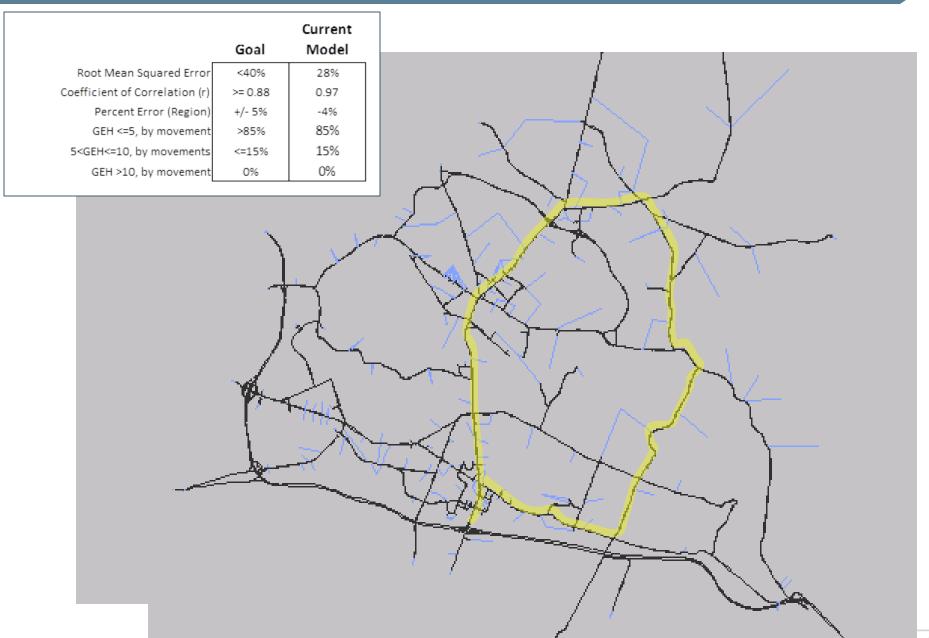
Presentation Overview

- Project Status
- Review of Traffic Conditions in Study Area
- Draft Network-wide Goals & Objectives (Discussion)
- Preliminary Strategy Packages (Discussion)
- Next Steps

Review Project Status

- Phase 1: Evaluation of two major network strategies
 - 3 Selectboard Meetings, 1 Public Meeting
- Phase 2: Analysis of Existing and Future Issues; Development of Transportation Network Goals
 - Task 1: Analysis of existing conditions; development of performance measures
 - Task 2: Establish goals and objectives
 - Task 3: Future year performance
- Phase 3: Develop and evaluate strategies
- Phase 4: Develop Implementation Plan for Transportation Corridors
- Phase 5: Develop Transportation Management Plan

Calibration



Traffic Performance

		Average PM Peak Hour	Estimated Design Hour
VT 2A/I-89 Exit 12 SB Ramps		LOS	LOS
	Overall	С	D
VT 2A/I-89 Exit 12 NB Ramps			
	Overall	С	D
VT 2A/Marshall Avenue			
	Overall	D	Е
VT 2A/US 2			
	Overall	С	D
VT 2A/Industrial Avenue			
	Overall	D	Е
Mt View Drive/Redmond Road			
SB, exiting Redmor	nd Road	В	С

	Average PM Peak Hour	Estimated Design Hour
VT 2A/South Street/River Street		
Overall	В	С
US 2/Brownell Avenue		
Overall	С	D
US 2/North Williston Road		
EB, along US 2	С	D
Mt View Road/North Williston Roa		
EB, Mt View	С	D
VT 117/North Williston Road		
NB, along N Williston	С	D
VT 117/Sandhill Road		
SB, exiting Sandhill Road	D	E

Goals and Objectives - Mobility Corridors

Create a safe and efficient highway network by improving commuting and travel reliability within selected mobility corridors (VT 2A, VT 15, US 2)

- Minimize congestion and improve travel times for key mobility corridors
- Improve local road system connectivity to provide routing alternatives for local trip making
- Improve safety by managing access to the primary corridors
- Address the High Crash Locations within the Study Area with strategies designed to reduce crash frequency and severity

Goals and Objectives - Village and Growth Centers

Create a comprehensive multimodal transportation system in Village areas and Growth Centers

- Develop a safe bicycle and pedestrian-friendly transportation network
- Improve local circulation and access to businesses, neighborhoods and services
- Maximize multimodal connectivity between neighborhoods
- Protect neighborhoods from regional traffic

Goals and Objectives - Alternative Transportation

Provide safe and convenient transportation alternatives to serve the diverse needs of residents, businesses and visitors in the Study Area

- Increase public transit service in the study area
- Improve accessibility to public transit services and improve multimodal connections in the area
- Create a safe and continuous bicycle network to accommodate local circulation and commuting needs

Goals and Objectives - Economic Development

Support economic development in Chittenden County by providing safe and efficient access to employment centers and retail facilities in the Study Area [Champlain Valley Technology and Innovation Park (CVTIP), Taft Corners and Essex Town Center]

- Improve travel reliability for freight movements within mobility corridors
- Provide safe and efficient access to the CVTIP site
- Reduce congestion and improve access to major retailers in the area
- Provide high quality non-motorized access between commercial centers and adjacent residential areas

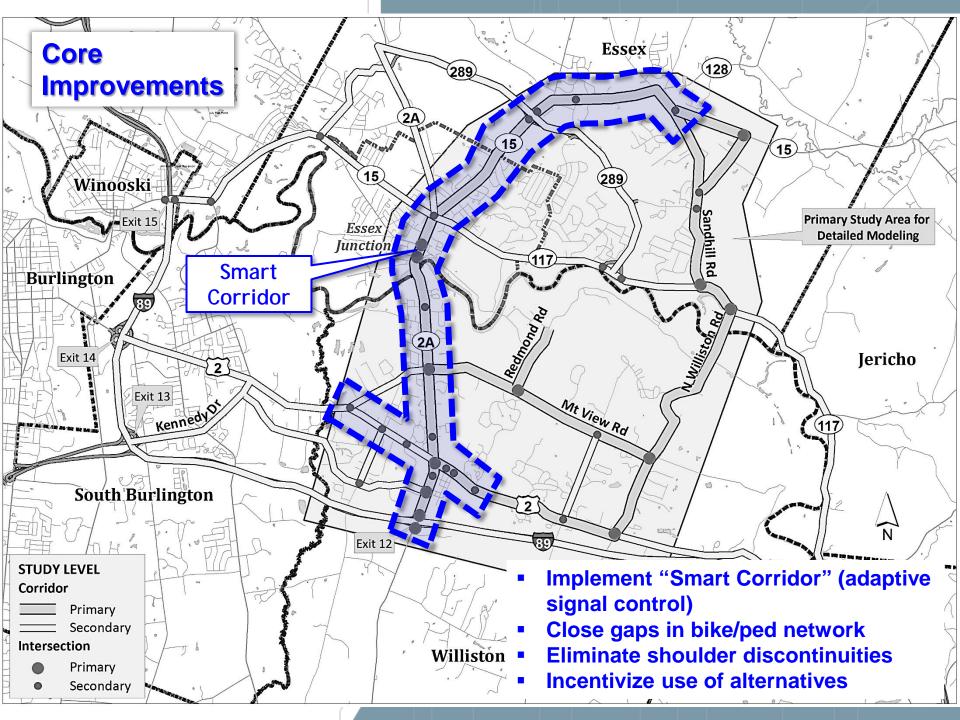
Goals and Objectives - Sustainability

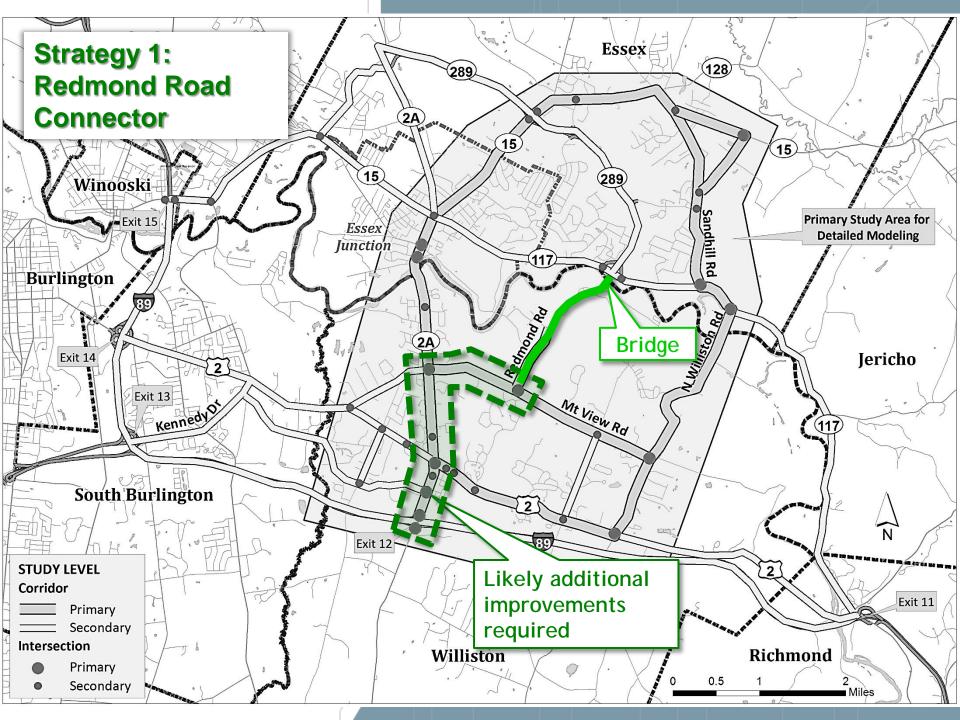
Maximize investments in a sustainable transportation

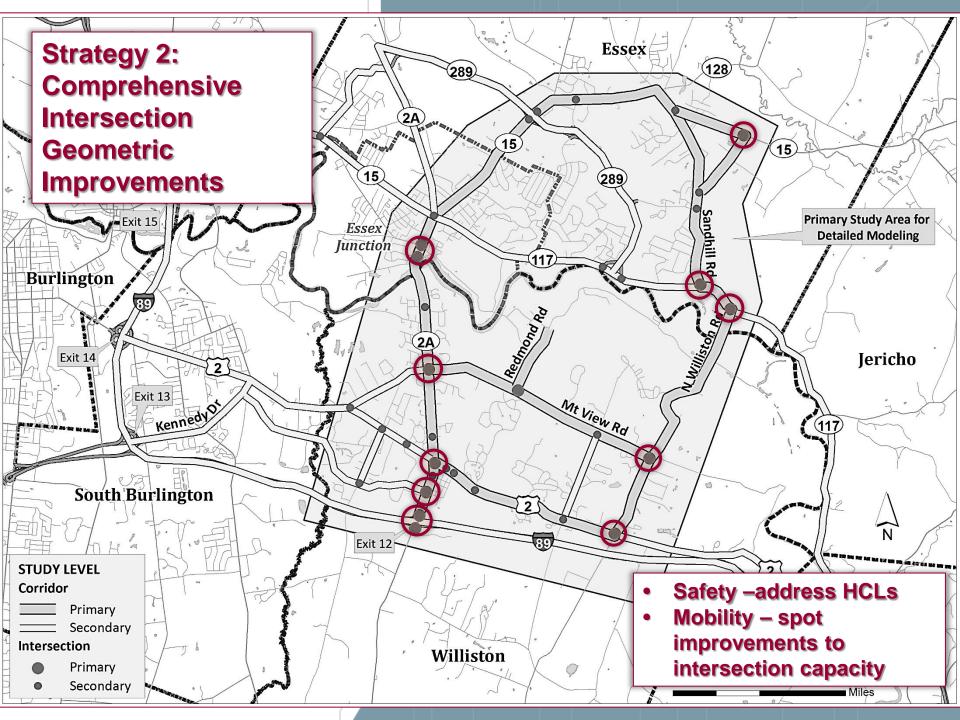
- Invest in multimodal alternatives to increase non-automobile commuting
- Encourage land use development to facilitate non-automobile commuting
- Minimize the environmental impact of transportation investments, including greenhouse gas emissions
- Promote transportation facilities that complement the municipal and regional land use plans

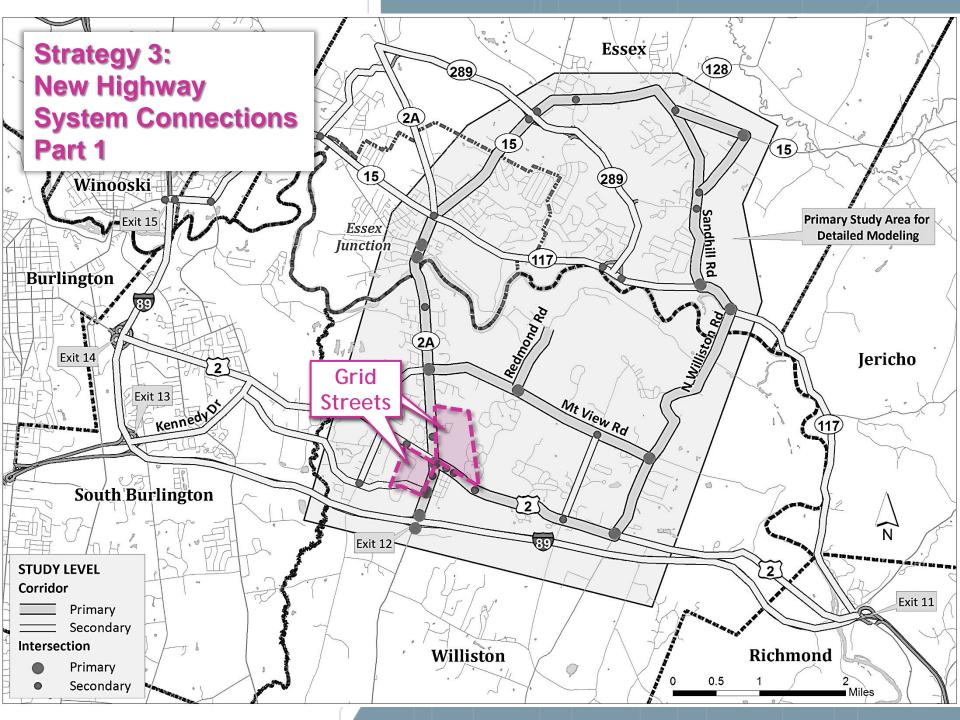
Preliminary Strategy Packages

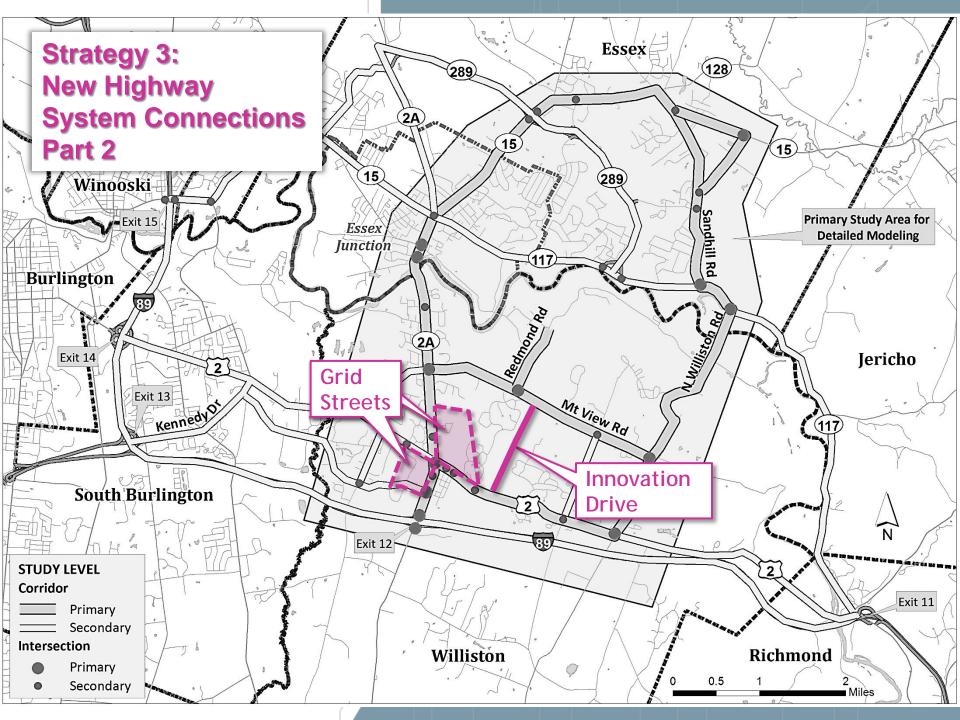
- Five strategy packages for high level qualitative evaluation
- Results of qualitative evaluation will be presented at the October Steering Committee meeting
- Three strategy packages to be selected by the Steering Committee for quantitative evaluation in October
- Specific improvement concepts to be developed through the modeling process
- Hybrid strategy packages are likely to emerge after first round of modeling
- Core improvements will be included in all strategy packages

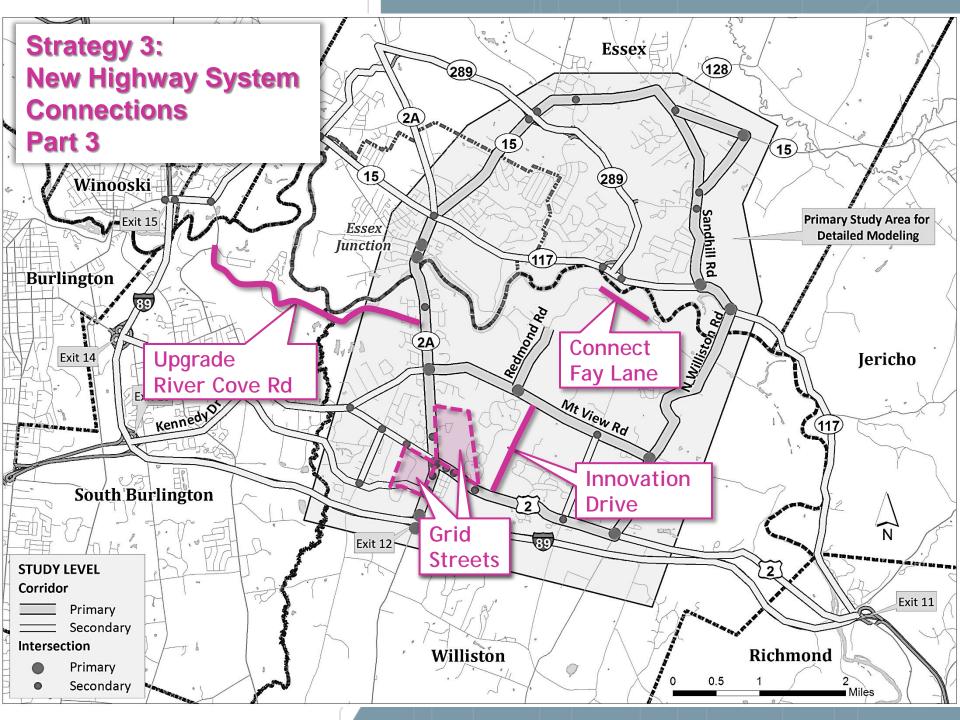


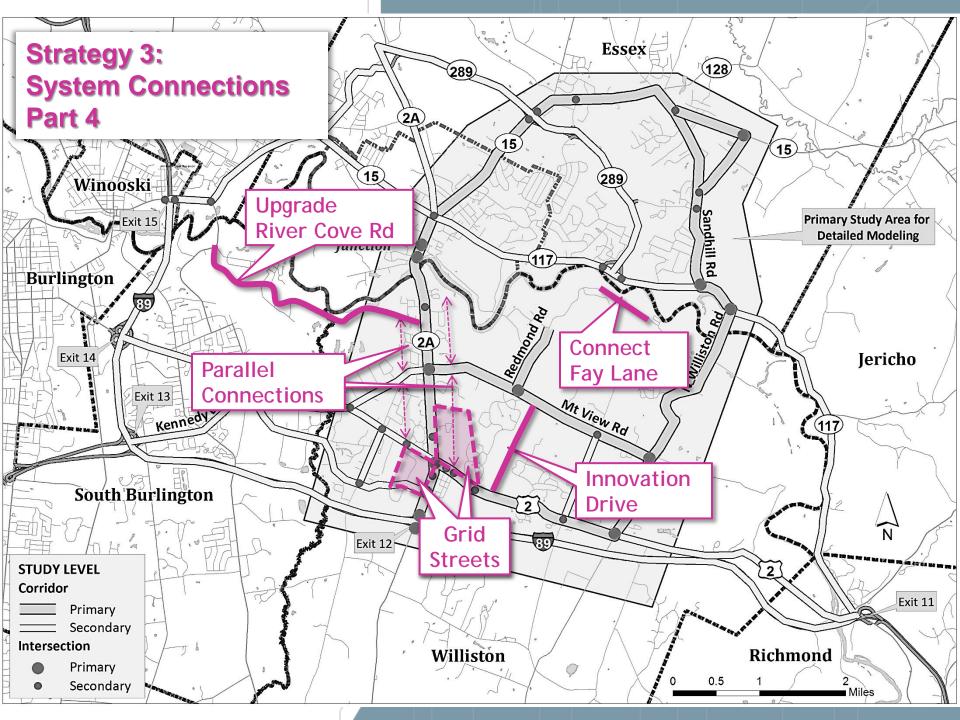


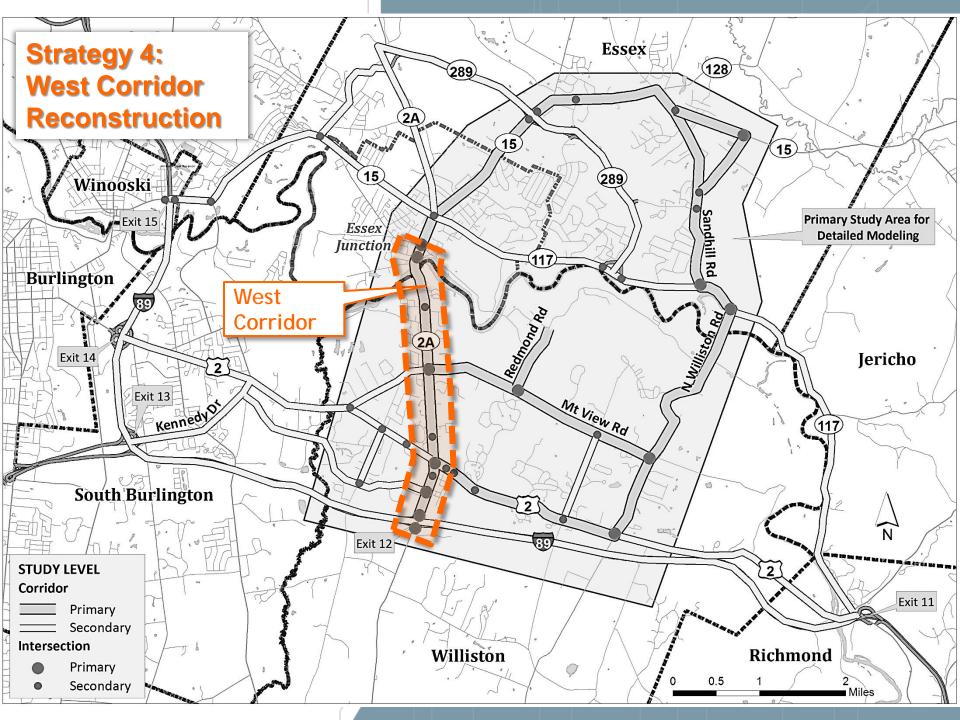


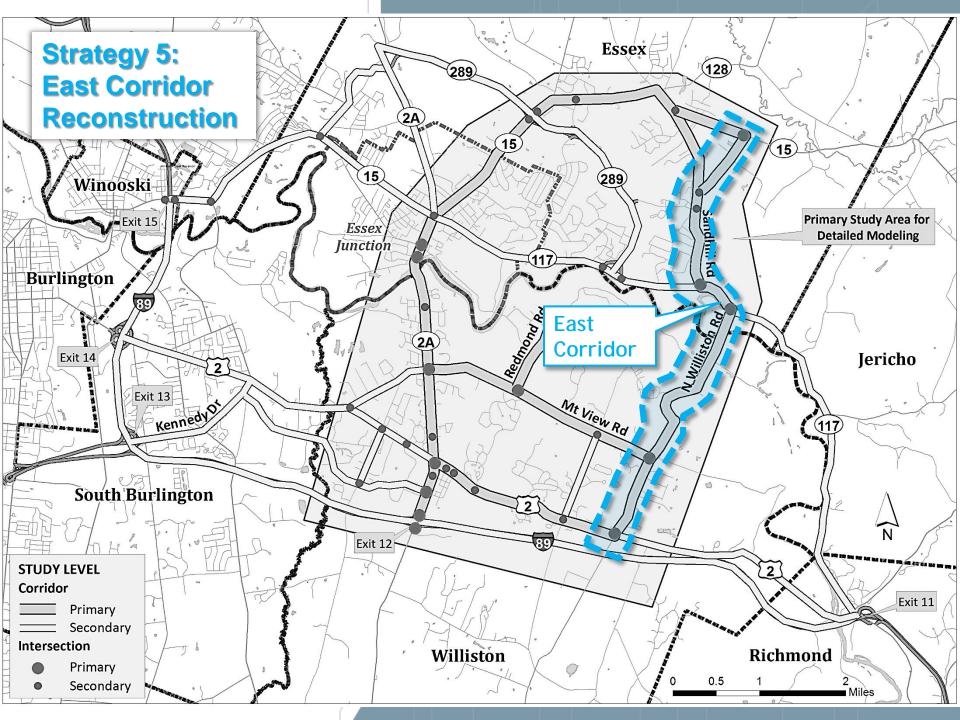












Next Steps

- Phase 2 Final Report (mid-Oct)
 - –Study Area Goals & Objectives
 - -Traffic Microsimulation Model Results
 - Existing and Future Conditions and Performance Measures
- Qualitative Evaluation of Five Strategy Packages
 - –Steering Committee Meeting (Oct 25)
 - -Select 3 Strategy Packages for Quantitative Evaluation
- Quantitative Evaluation of Three Strategy Packages
 - –Steering Committee Meeting (Nov 28)
 - –Selectboard Presentation (Dec)
 - –Public Meeting #2 (Dec)
- Development of Network Implementation Plan