Route 9 Active Transportation Conceptual Design Plan Public Workshop #2

October 2017

Route 9 Active Transportation | http://route9active.org/ | info@route9active.org | @route9active



PROJECT GOALS: Hastings through Sleepy Hollow

- Safe and connected places to walk along & across Route 9
- Safe and continuous places to bike within and between villages
- Improve traffic safety for all
- Support planned and existing transit to reduce automobile trips
- Attract people using new bridge path to shops & restaurants



OUTREACH TO DATE

- > June Workshops:
 - 140 attendees
- > Online tools:
 - 496 survey responses
 - 813 WikiMap entries



OUTREACH: Trade-offs



Number of comments

OUTREACH: Higher Speeds vs Safer Walking

For our villages, safety and community vitality are best supported by...

Fast traffic speeds









OUTREACH: Biking on Trails vs Biking On-street

For our villages, safety and community vitality are best supported by...

Biking on trails





Biking onstreet



OUTREACH: Areas of Concern





OUTREACH: Key Intersections

Intersection	Village	Issue
Beekman Avenue & Route 448	Sleepy Hollow	Pedestrian crossing safety
Cobb Lane	Tarrytown	Pedestrian crossing safety
Franklin St	Tarrytown	General concern
Prospect Ave	Tarrytown	Pedestrian crossing safety
Route 119	Tarrytown	Pedestrian crossing safety
OCA crossing	Tarrytown	Pedestrian crossing safety
Sunnyside Ln	Tarrytown	General concern
Heritage Hill Rd	Irvington	Pedestrian crossing safety
Main St	Irvington	General concern
Harriman Rd	Irvington	Signal timing adjustment
Ardsley Ave	Irvington	Pedestrian crossing safety
Belden Ave	Dobbs Ferry	Pedestrian crossing safety
Ashford Ave	Dobbs Ferry	General concern
Clinton Ave	Dobbs Ferry	Crossing safety
OCA crossing	Dobbs Ferry	Pedestrian crossing safety
Farragut Avenue ("Five Corners")	Hastings-on-Hudson	General concern
Olinda Ave	Hastings-on-Hudson	Pedestrian crossing safety



ANALYSIS: Parking

> 2,448 car spaces, 80% in off-street lots

- Parking study focused on Route 9 and lots within 5' walk
 - Supply and occupancy of spaces
 - Potential impact of new designs on supply





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ANALYSIS: Transit

- Varying quality of stop amenities at high ridership stops
- Opportunities to relocate and improve stops for existing and planned transit projects (Lower Hudson Transit Link).





CONCEPT DEVELOPMENT: Street Design Guidelines

- Reduce pedestrian exposure at key intersections
- Streets w <25,000/day can be supported w 1-lane per direction
- Phased designs will be recommended where current on-street and nearby off-street utilization is high
- Recommendations will maintain standard vehicle delay (Level of Service E)
- Minimum lane widths:
 - 11' travel lanes, 10' turning lanes
 - 7' parking lane (where provided)
 - 5' bike lane (each direction)
 - 1-3' bike lane buffer
 - 5' sidewalk, where provided



CONCEPT DEVELOPMENT: Sample Pedestrian Crossing Improvement

> OCA crossing in Dobbs Ferry



CONCEPT DEVELOPMENT: Ideal Design

➢ Existing:



Potential:





CONCEPT DEVELOPMENT: Opportunities and Constraints

Opportunities

- Many Route 9 segments with sufficient roadway width to meet design guidelines
- Better connections to BRT and transit
- Improving Old Croton Aqueduct connectivity at street crossings
- Some suitable parallel alternatives close to village destinations
- Improve student safety for school journey and reduce school drop off traffic

Constraints

- Street segments with insufficient roadway width due to:
 - > On- street parking demand
 - Narrow roadway width
 - Higher traffic volumes
- Locations without nearby parallel routes
- Locations where parallel routes are unsuitable due to slope, lighting or surface type



TODAY'S STATIONS

Information: Goals and Context

- Information: Outreach summary
 - Summer workshops
 - Online survey
- >Information: Analysis update
- Information: Design Guidelines and Safety
 - General cross section
- Input: Key locations by village
 - Constrained areas
 - Key intersections
 - Proposed cross sections





NEXT STEPS

- Ongoing traffic analysis
- Refine transit analysis
- Refine design concepts for connected walking and bikeways
- Test with demonstration project

