Statewide Pedestrian and Bicycle Transportation Plan and Economic Impact Study

Kick-off Meeting
November 28, 2018

Your Planning Team

Alta Planning + Design
- Statewide planning efforts in 18 states
- Bike/ped network planning in dozens of cities, regions & counties
- Managed by staff from Cambridge MA and Troy NY offices

Alta’s North Carolina Bike Network Plan
City/Regional Network Plans

Alta’s Los Angeles Bike Network Plan
Alta’s Buffalo Bike Network Plan

Planning for all Contexts

Alta Experience

- Lead authors of the NACTO and FHWA “Star” guides, along w/ various local/regional
- Focus on urban, suburban, or rural context for recommendation
Your Planning Team

- Vermont-based RSG has served NHDOT and northern New England for 30 years
- Authored Your Guide to Walking and Bicycling Accommodations in NH for NHDOT and BPTAC
- Led the Phase 1 On-Road Bicycle Plan for Vtrans (with Alta)

Economic Development Research Group
- Will take lead on the most Economic Impact Study tasks

Project Schedule

<table>
<thead>
<tr>
<th>Task Description</th>
<th>2019</th>
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<td>1. Public Engagement</td>
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<td>1.3. Stakeholder Meetings</td>
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<td>3. Transportation Stakeholder Meetings</td>
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<th>Task 1: Public Engagement</th>
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<tr>
<td>1.1 Project Advisory Council Meetings (6 min)</td>
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<td>1.2 Stakeholder Meetings (SO: Task 5)</td>
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<td>1.3 Transportation Policy Meetings (7)</td>
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<td>1.4 Public Meetings in a Bus</td>
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<td>1.5 Election district Community Meet</td>
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<td>Task 2: Public Engagement</td>
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<td>2.1 Online input map and survey</td>
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<td>2.2 Site Analysis</td>
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<td>2.3 Community Engagement</td>
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<td>Task 3: Public Engagement</td>
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<td>3.1 Analysis of Policies and Public Development Findings</td>
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<td>3.2 Final “KPI” program for parking and housing</td>
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## Scope of Work

### Task 1: Public Engagement

- **Project website**
- **Online input map and survey**
- **Monthly CSAC/PAC meetings**
- **Meetings with RPC TACs**
- **Six community meetings**
- **Getting the word out:**
  - Press releases
  - Flyers
  - Email blasts
  - Social media posts

*Example of Vermont online input map*
Task 1: Public Engagement

Public Meetings: April/May 2019

RPC TAC Meetings: Feb/March 2019
Task 1: Public Engagement

Public Meetings: April/May 2019

Statewide Public Meetings
- Summary of plan approach
- Vision and goals
- Results of BLTS analysis
- Preliminary bicycle network recommendations
- Preliminary Evaluation criteria
- Next steps

Meetings in a Box
- Public meeting kit for RPCs and municipalities to use
- Copies of meeting flyers, maps, and handouts
- Draft slide presentation
- Template for summary notes/community feedback

Task 2: Existing Conditions Assessment

Base Mapping
- Insets based on RPCs
- Existing walk/bike/trail facility inventory
  - Rail trails and paths
  - Bike lanes
  - Sidewalks

Summary of Data & Reports
- Strava data and other counts
- RPC ped/bike plans
- Municipal ped/bike plans
- Existing programs & events
Map 1

Reasoning

- Maintains similar scale for 5 of 6 maps
- All maps portrait oriented for report
- Recommended projects easily accessed by RPC staff

Map 2

Lakes Region Planning Commission
Map 5

Central NH Planning Commission
Southern NH Planning Commission
Nashua Regional Planning Commission

Map 6

Strafford Regional Planning Commission
Rockingham Planning Commission
Task 3: Summary of Policies/Programs

Key Sub-Tasks
- Analysis of pedestrian/bicycle-related policies
- Analysis of NHDOT Project Development Process
- Compendium of 4 “E’s” programs
- Education, encouragement, enforcement & evaluation program recommendations

Lebanon Street, Rt. 120, Hanover

Task 5: Level of Traffic Stress Analysis

- Inputs include speed, volume, shoulder width, parking and current bike facility (or NA)
- Evaluates roadways’ ability to accommodate user types:
  - BLTS 1: all ages and abilities
  - BLTS 2: works well for most bicyclists
  - BLTS 3: adequate for experienced bicyclists only
  - BLTS 4: in need of significant improvement for nearly all

Vermont BLTS map
Task 5: Performance Measures

Purpose is to track progress over time related to:

- Ridership on key corridors
- Bicycle network miles (trails and on-street facilities)
- % of residents within ¼ or ½ mile to trails
- Bicycle mode share
- Number of LAB Bike-Friendly communities, businesses and universities
- Number of crashes and KSI’s

Task 5: Network Recommendations

Network Assumptions

- Focus on bicycle connectivity/safety
- Primarily state roads
- Link critical destinations
- Intercity routes: Improved shoulders and side paths
- Intracity routes: lean towards “all ages and abilities” facilities
Task 5: Network Recommendations

GIS-based roadway factors include:
- Right of way/shoulder width
- Number of traffic lanes
- Roadway speed and volume
- Interface with other bike facilities
- On the current TIP
- Popular state touring route
- Safety/crash history
- Land use density

Task 5: Project Prioritization

Critical Factors
- Develop evaluation criteria based on project goals
  - Demand
  - Safety impact
  - Connectivity
  - Equity issues
  - Cost/permitting issues
  - Others...
- Project evaluated individually and as corridors
- Criteria can be weighted based on committee needs
**Task 6: Economic Impact Analysis**

**Sub-tasks**

- Economic impacts of capital investments and O&M
- Expenditures on bicycle and ped-oriented businesses
- Tourism impacts (will include surveys to event participants)
- Benefits of non-motorized travel (travel cost savings, health, enviro and safety)
- Impact to property values

![Kancamagus Highway](image)

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**Task 7: Walking & Bicycling Video**

- Contingent on funding availability at end of project
- Video is anticipated to include:
  - Interviews with public officials and advocates
  - Footage from public meetings
  - Commentary from experts in walking and bicycling
  - Animations and infographics re: benefits of walking/biking
  - Footage of peer communities for inspiration

![Video Screenshot](image)
Task 8: Draft/Final Report

Expected Contents
- Vision, Goals and Objectives
- Existing Conditions Inventory
- Assessment of Current Policies and Programs
- BLTS, Gap & Equity Analysis
- Network Recommendations
- Prioritization and Phasing
- Summary of Economic Impact and Benefits Analysis
- Implementation Plan
- Design Guidelines

Summary of Next Steps

December-January work
- Ongoing data collection and base mapping
- Initiation of public input map and online survey
- Gap analysis
- Equity analysis
- Summary of existing plans and reports
- Draft Vision and Goals for discussion at January 2019 PAC meeting
Vision Exercise

What are your top 2 or 3 goals for walking and bicycling in New Hampshire?

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