TRANSPORTATION PLANNING

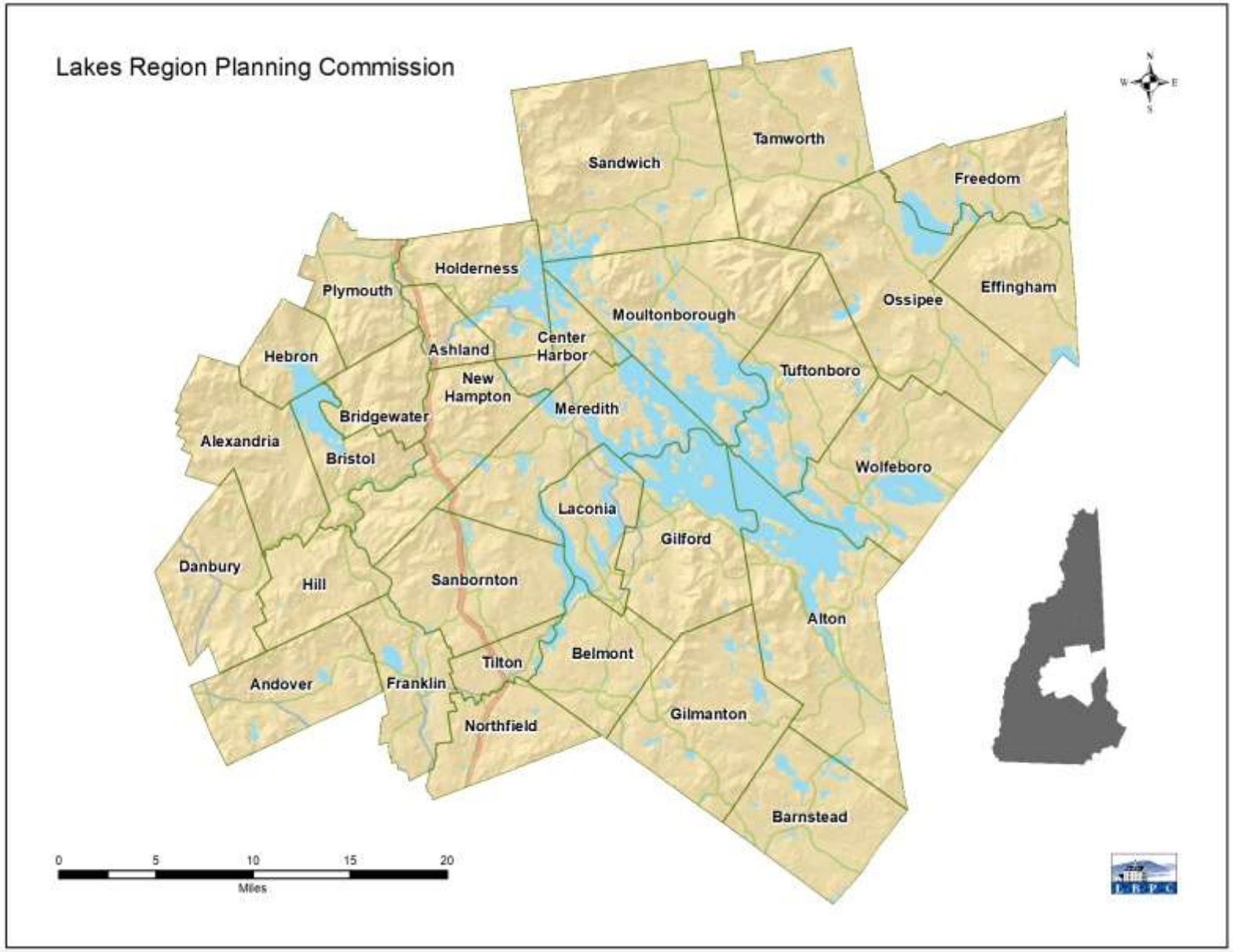
Lakes Region Planning Commission

ABOUT LRPC

30 Communities

50 Years of Service

"Planning Regionally – Growing Locally"



PRESENTATION OVERVIEW

Policy and Planning

Public Involvement and Coordination

Transportation Planning Assistance and Support

POLICY AND PLANNING

- Regional Transportation Plan
- Transportation Technical Advisory Committee (TAC)
- State Ten-Year Plan
- Other Transportation Funding Opportunities
- Land use and Environmental Linkages
- Bicycle and Pedestrian Transportation Planning
- NH Scenic and Cultural Byway Program
- Freight Planning

REGIONAL TRANSPORTATION PLAN

Identifies regional transportation priorities and needs

Coordinates with State Ten Year Plan (TYP) process and Regional Transportation Improvement Plan (TIP)

TRANSPORTATION TECHNICAL ADVISORY COMMITTEE (TAC)

ABOUT TAC

Advisory to LRPC Commissioners

- Representative from each of LRPC's 30 member communities
- Scoring and priority ranking of project proposals

Technical review of transportation plans and project proposals

STATE TEN YEAR PLAN

- Projects proposed by municipalities and regional planning commissions
- Projects evaluated, recommended by NH DOT
- Public meetings and hearings by Governor and Executive Council (known as GACIT)
- Project list recommended to state legislature
- TYP enacted into law by legislature and Governor

TAC TEN YEAR PLAN PROJECT DEVELOPMENT

Develop project proposals based on regional priorities

- Outreach to municipalities, NH DOT District Engineers
- Field review by TAC

Work with municipalities to provide supporting data, maps, etc.

Additional proposals under development for future TYP rounds

TYP PROJECT DEVELOPMENT

Prioritize project proposals based on NH DOT criteria:

- Mobility
- Safety
- Support
- Network Significance
- State of Repair
- Resiliency
- Alternative Modes

TYP FUNDING

Federal funding allocation based 50% on **region's population** and 50% on **miles of federal aid eligible highways**

- 2019 Lakes Region allocation = $5.1 Million

REGIONAL TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

Includes Lakes Region transportation projects:

- Ten Year Plan (2019-2022) Projects
- Ten Year Plan (2023-2028) Projects
- LRPC's 2019 Priority project recommendations (2029-2030)
- Future TYP Projects?

LRPC PROJECTS IN TYP (2019-2022)

- Route 11 Planning Study
- Route 28/North Barnstead Rd
- Route 140/Main St – Belmont
- Route 104 – Bristol
- Route 25/Lake Shore Road – Moultonborough
- Route 16 (north of Route 28) – Ossipee
- Route 16 (replace 3 bridges) – West Ossipee
- Route 16/Route 25/Route 41 – West Ossipee
- Highland Street – Plymouth
- Route 28 (Main St) – Wolfeboro

LRPC PROJECTS IN TYP (2023-2028)

Route 3A (Lake St) bike-ped improvements Bristol

Route 25 Complete Streets improvements central village Moultonborough

Route 25 – Sheridan Rd intersection improvements Moultonborough

LRPC'S 2019 PRIORITY PROJECT RECOMMENDATIONS (2029-2030)

Moultonborough Route 25/Redding Lane intersection safety improvements

Gilmanton Route 107/Route 140 intersection improvements

Tilton Route 3 (Main St-School St) intersection safety improvements

FUTURE TYP PROJECTS?

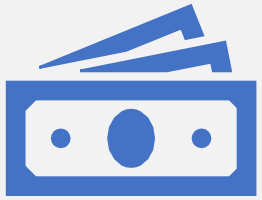
- Meredith Route 25 corridor
- Meredith Route 3/Route 104 intersection
- Tamworth Route 16/Chocorua Lake Rd intersection
- New Hampton Route 104 corridor
- Tamworth Route 16/Depot Rd intersection
- Tilton Route 3 (East Main St)
- Plymouth Route 3 corridor
- Tilton Route 3 (West Main St)
- Route 106 Corridor

OTHER TRANSPORTATION FUNDING OPPORTUNITIES

- Transportation Alternatives Program (TAP)
- Congestion Mitigation and Air Quality (CMAQ)
- Highway Safety Improvement Program (HSIP)

TRANSPORTATION ALTERNATIVES PROGRAM (TAP)

Pedestrian and bicycling infrastructure projects



Funding rounds every 2 years

Includes Safe Routes to School Planning

EXAMPLES OF TAP FUNDED PROJECTS

- **Moultonborough** 2010 Safe Routes to School Project
- **Franklin** was awarded $512,000 from TAP for the construction of pedestrian walkway over the trestle bridge
- **Ashland** was awarded funding for sidewalk improvements

CONGESTION MITIGATION AND AIR QUALITY (CMAQ) PROGRAM

2019 funding round is now open

Bike-Ped commuter (not recreational) projects

Public transit

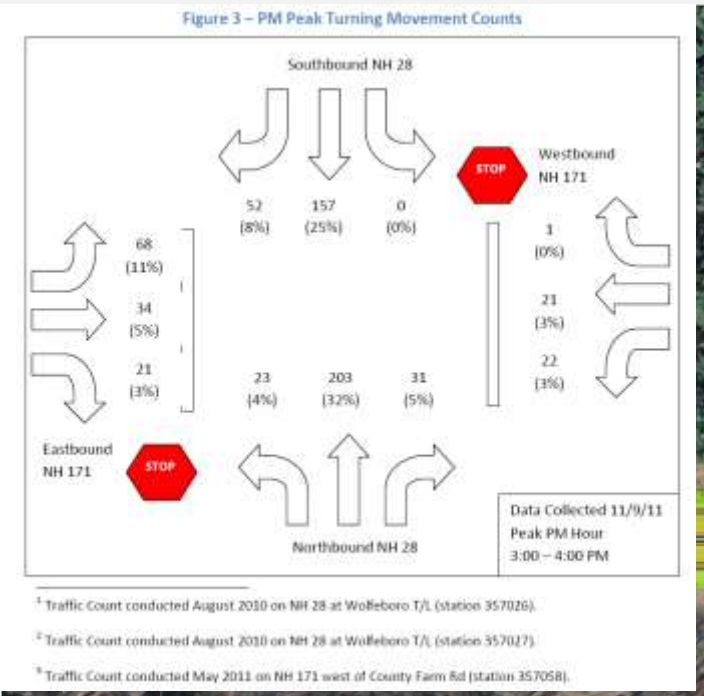
Ride share projects

Congestion reduction projects

They must have air quality benefits

HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP)

LRPC participates in the HSIP Committee as a rural RPC representative



LAND USE AND ENVIRONMENTAL LINKAGES

Transportation network impacts water quality	• High priority in the Lakes Region
Transportation infrastructure resiliency	• Culvert assessment and stormwater drainage impacts

EXAMPLE OF PARKING LOT RUN OFF

BIKE AND PEDESTRIAN PLANNING

BENEFITS TO A MUNICIPALITY

Multimodal transportation options

Improved Safety

Age friendly development

Enhanced recreation opportunities

RECENT BIKE-PED PROJECT

Lakes Region Bikeability Assessment

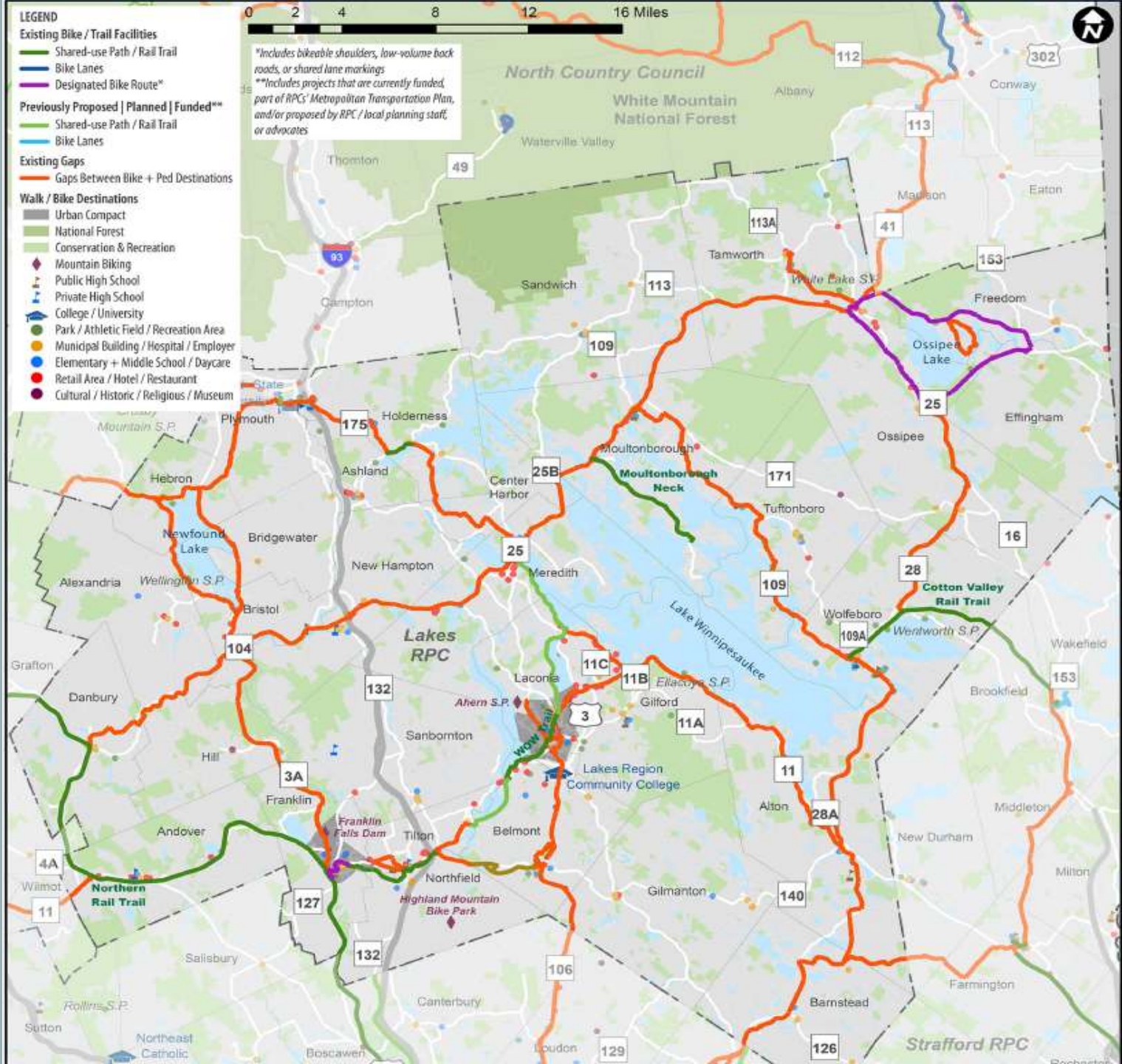
BIKEABILITY ASSESSMENT PROJECT

Measure Level of Traffic Stress (LTS)

Explore opportunities to coordinate with NH DOT pavement resurfacing projects and TYP projects

Fill gaps in regional connectivity

LAKES REGION GAP ANALYSIS MAP



NH SCENIC AND CULTURAL BYWAY PROGRAM

Designation of Lakes Region Tour Scenic Byway (1999)

Scenic Byway Advisory Committee

Potential new scenic byway Route 113 and Route 113A

Holderness-Sandwich-Tamworth

LAKES REGION TOUR SCENIC BYWAY

FREIGHT PLANNING

- NH's first freight plan published in January 2019
- LRPC participated in gathering regional information
- Highway system projected to remain NH's dominate freight transportation mode
- $4 million/yr for freight improvements

COMPONENTS TO NH FREIGHT PLAN

Highway System

Rail System

Airport System

Marine System

LAKES REGION – STATEWIDE FREIGHT PLAN

Truck Freight Bottleneck Locations (Medium Priority)

Route 3 – Laconia – Franklin

Route 106 – Laconia – Belmont

High Delay Corridors

Route 3 – Laconia to I-93

Route 106 – Laconia to I-393

LAKES REGION – STATEWIDE FREIGHT PLAN

PROPOSED CRITICAL RURAL FREIGHT CORRIDORS

Route 3 – Laconia – Franklin
Route 3 Business – Laconia
Route 106 – Laconia
Route 25 – Meredith – Moultonborough
Route 3 – Meredith (Route 25 – Route 106)
Route 16 – Ossipee (Route 25 – Route 41)

PRESENTATION OVERVIEW

Policy and Planning

Public Involvement and Coordination

Transportation Planning Assistance and Support

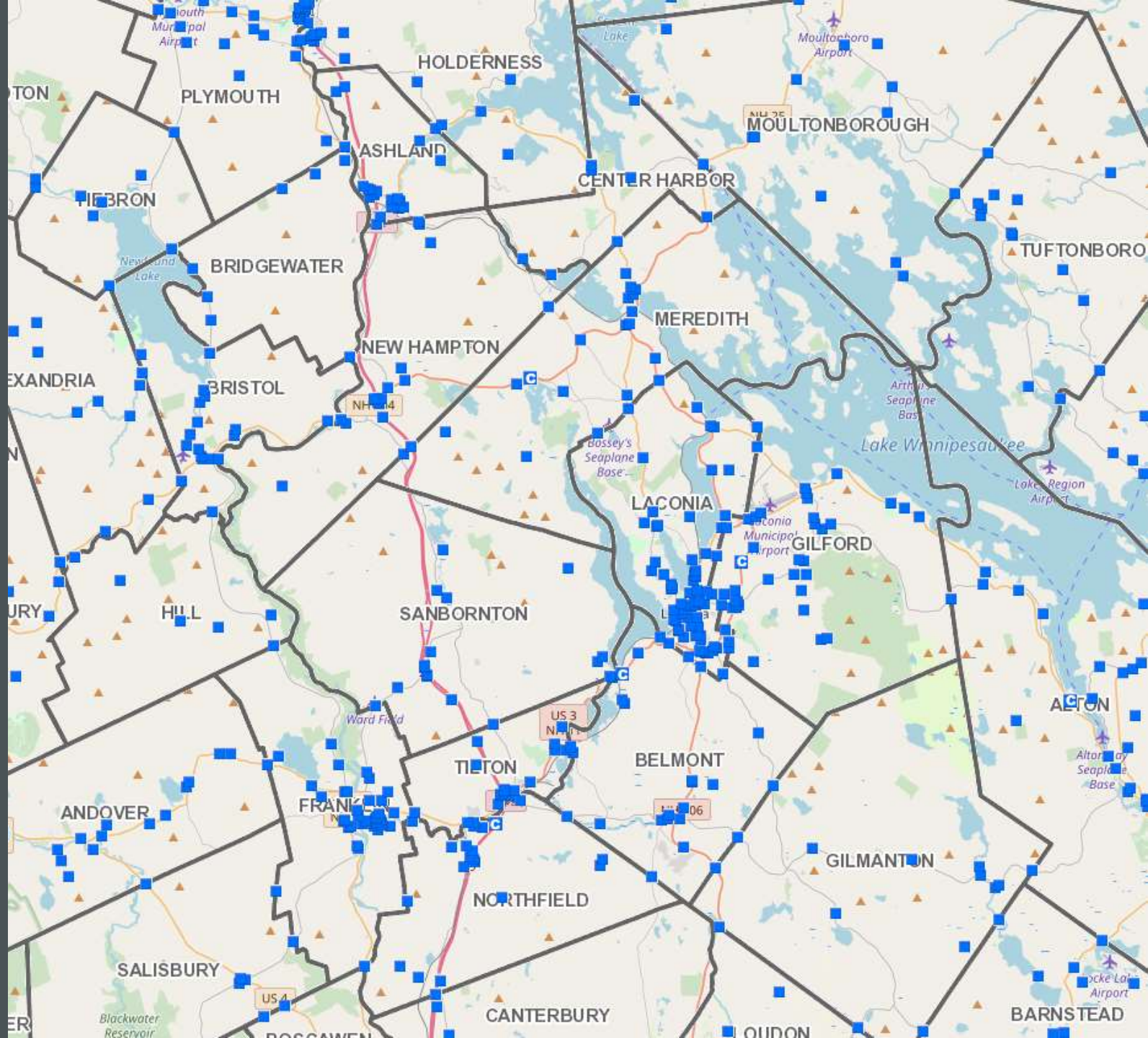
TRANSPORTATION PLANNING ASSISTANCE AND SUPPORT

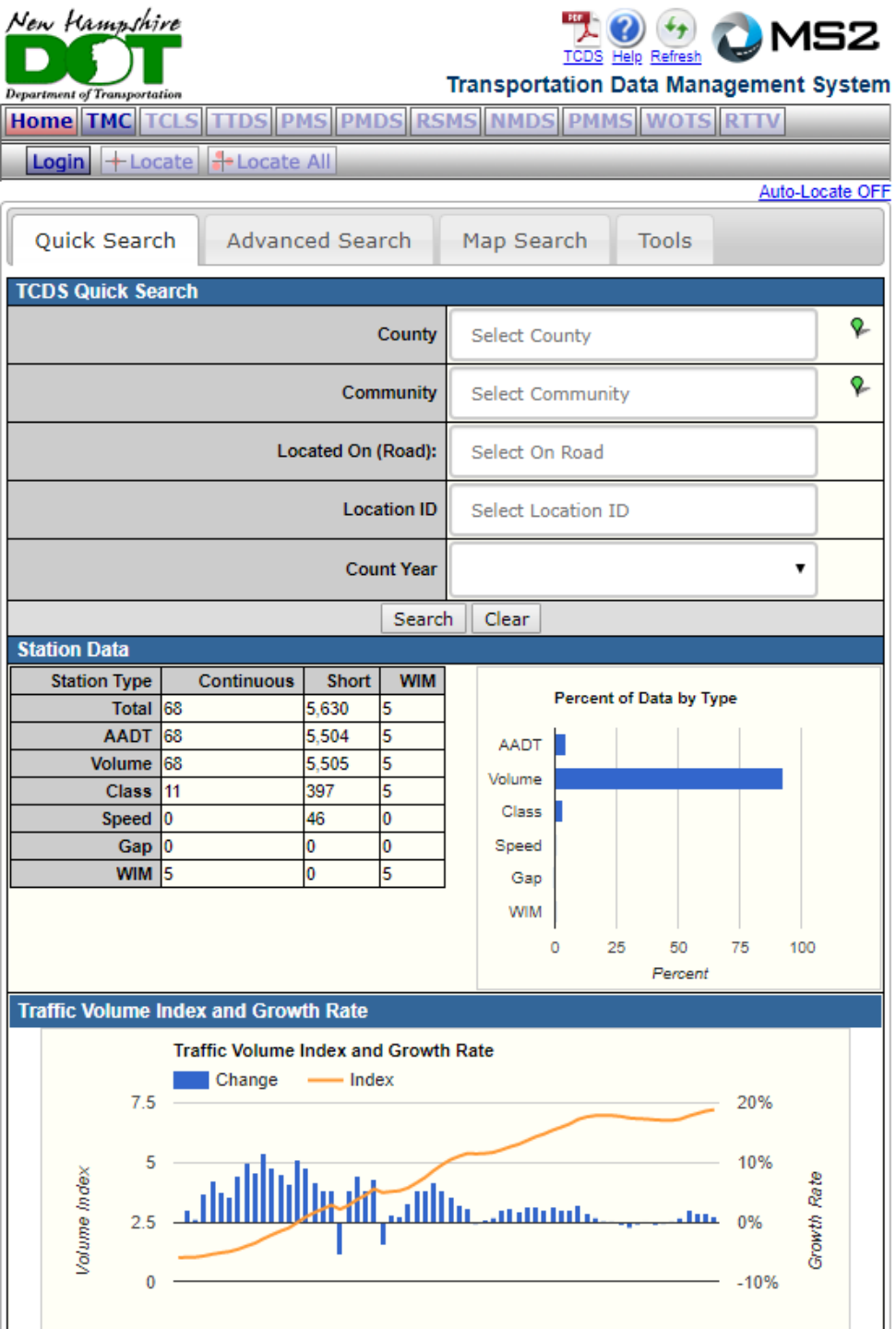
- Data Collection
- Culvert Inventories
- Road Surface Management System (RSMS)
- Geographic Information Systems (GIS) Mapping
- Mobile Wireless Mapping Project
- Regional Transit Support
- Commute Smart NH

DATA COLLECTION

- Traffic counts
- Bicycle and pedestrian counts
- Crash data

TRAFFIC COUNTS





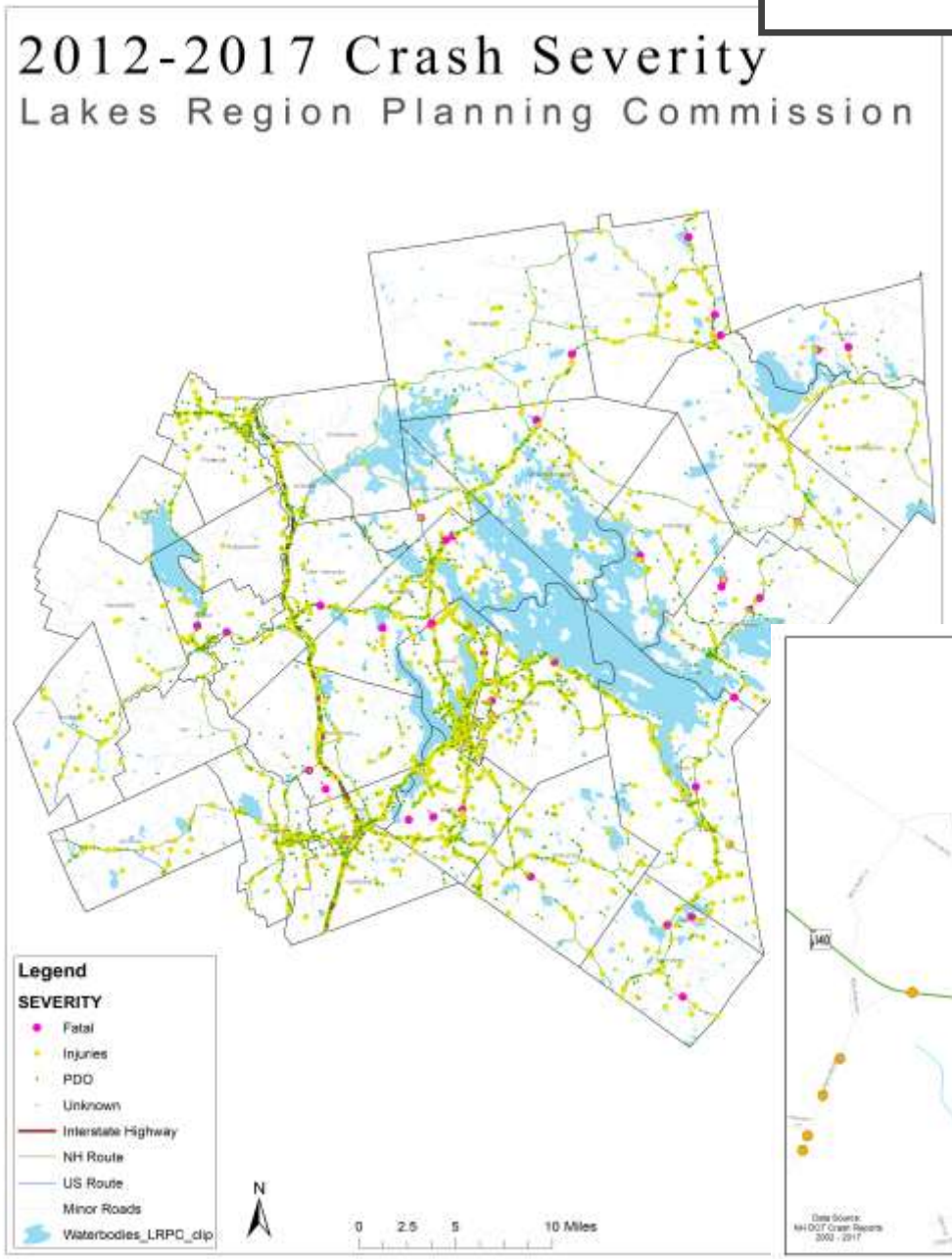
BENEFITS TO A MUNICIPALITY

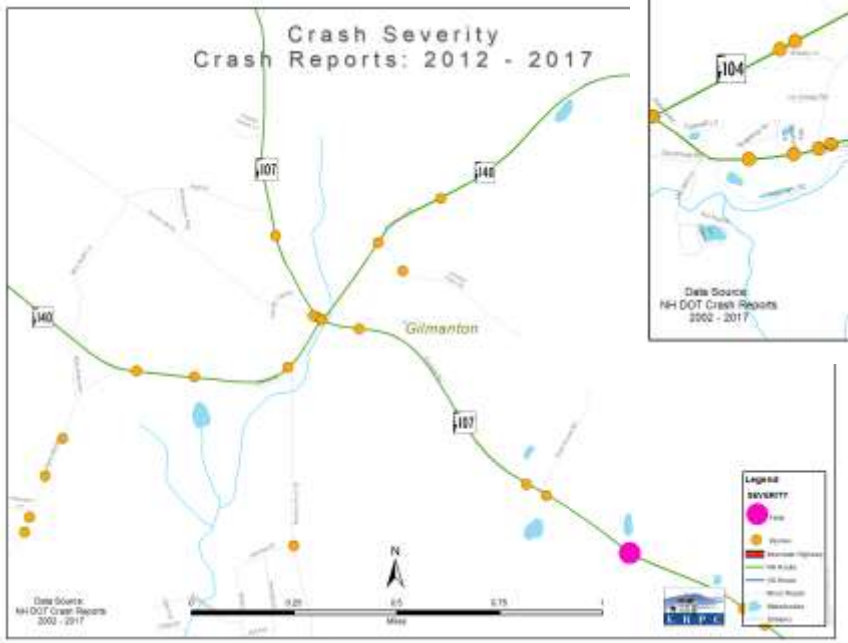
Guidance for transportation decision making

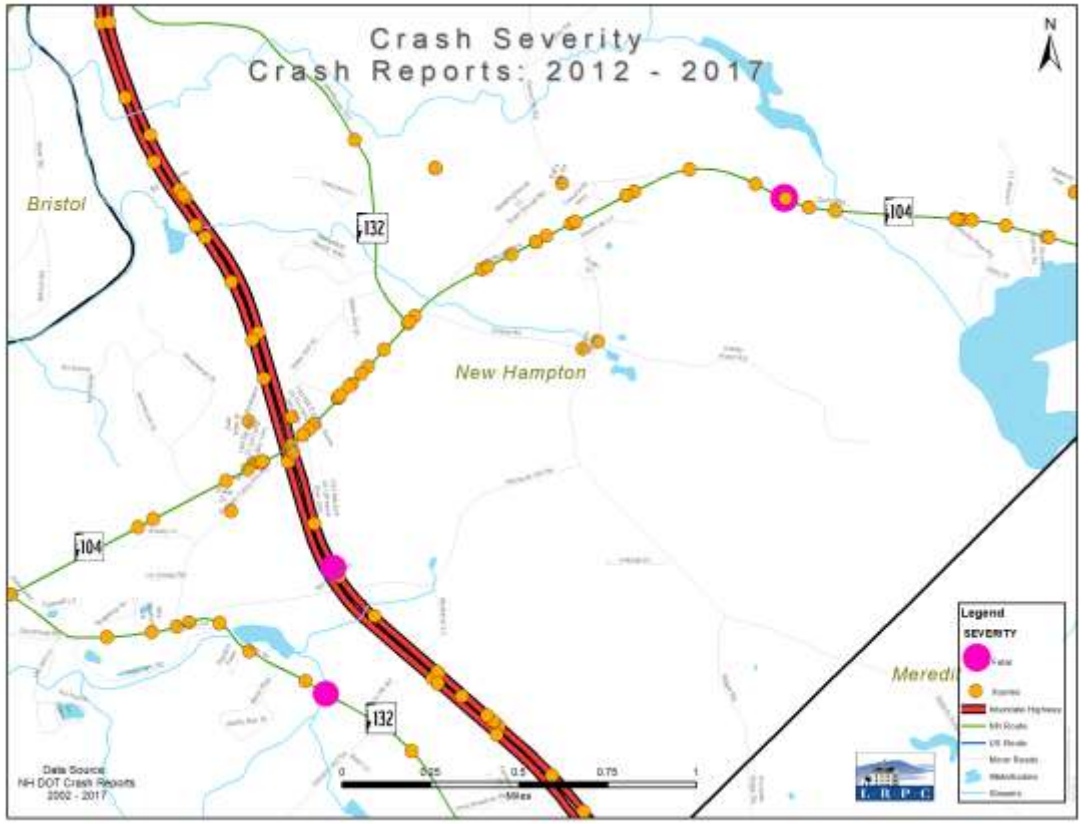
LRPC performs 150-200 traffic counts a year using a schedule developed by the DOT

NH DOT maintains a Transportation Data Management System, a "web-based interactive map"

CRASH DATA


2012-2017 Crash Severity
Lakes Region Planning Commission
Legend
SEVERITY
Fatal
Injuries
PDO
Unknown
Interstate Highway
NH Route
US Route
Minor Roads
Waterbodies_LRPC_clip
N
0 2.5 5 10 Miles


Crash Severity
Crash Reports: 2012 - 2017
107
140
107
Gilmanton
N


Crash Severity
Crash Reports: 2012 - 2017
N
Bristol
132
104
New Hampton
104
132
Legend
SEVERITY
Data Source:
NH DOT Crash Reports
2002 - 2017
Miles

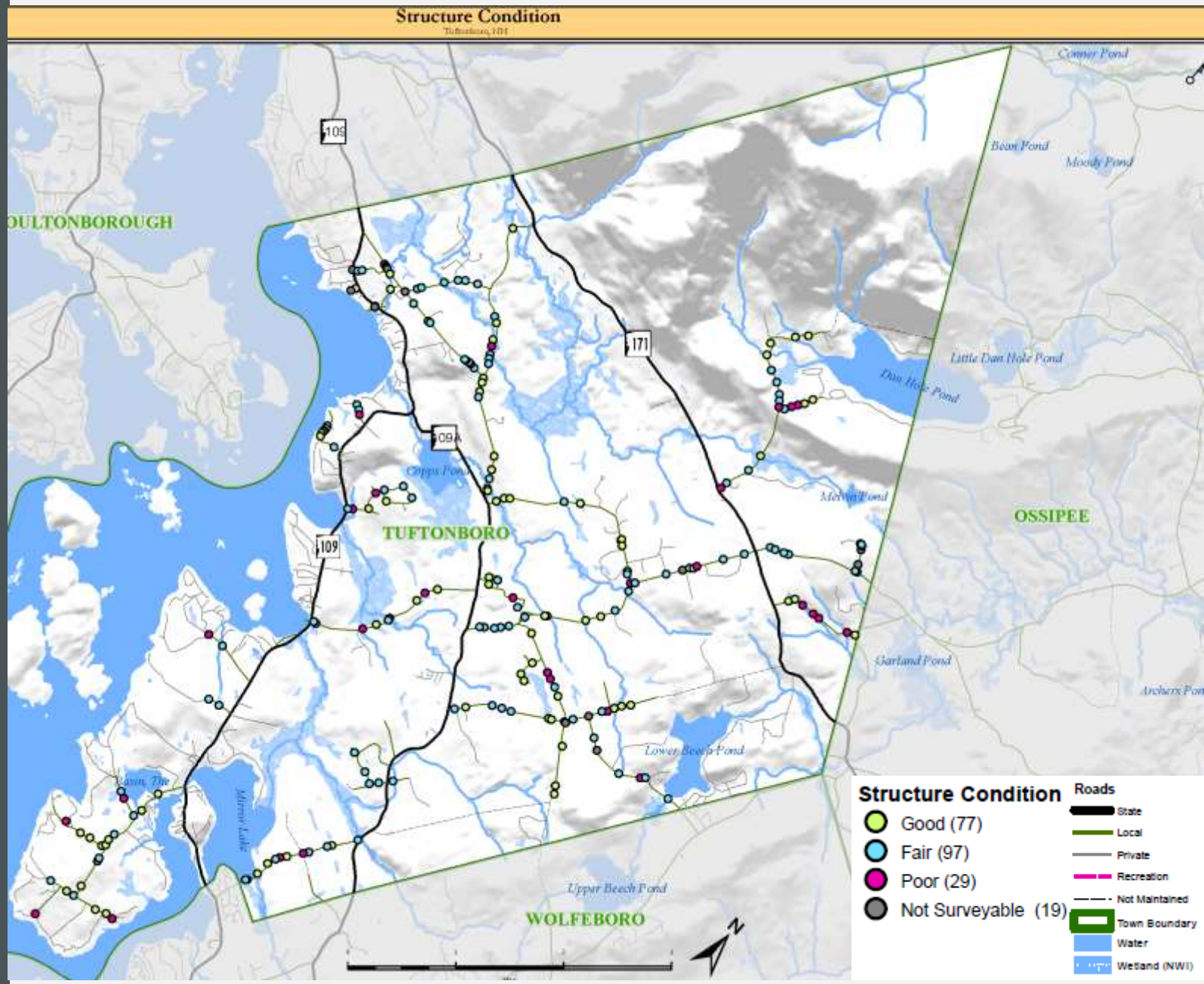
CULVERT INVENTORIES

BENEFITS TO A MUNICIPALITY

- Location and condition of culverts are mapped
- Better awareness of infrastructure and maintenance needs
- Improves local CIP and budgeting
- Can prevent dangerous/expensive road washouts

MOST RECENT CULVERT ASSESSMENTS

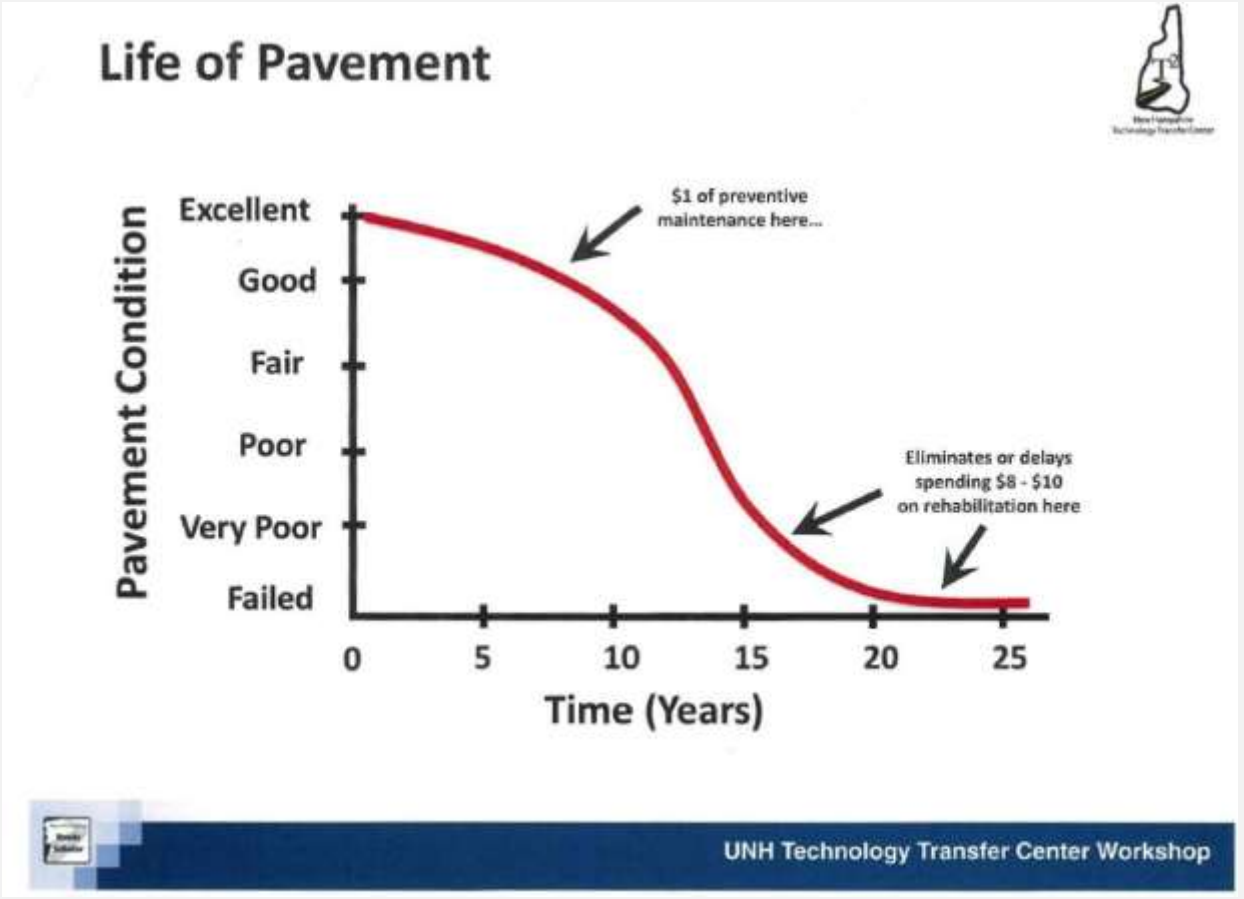
- Tuftonboro
- New Hampton
- Ashland
- Gilford
- Laconia



ROAD SURFACE MANAGEMENT SYSTEM (RSMS)

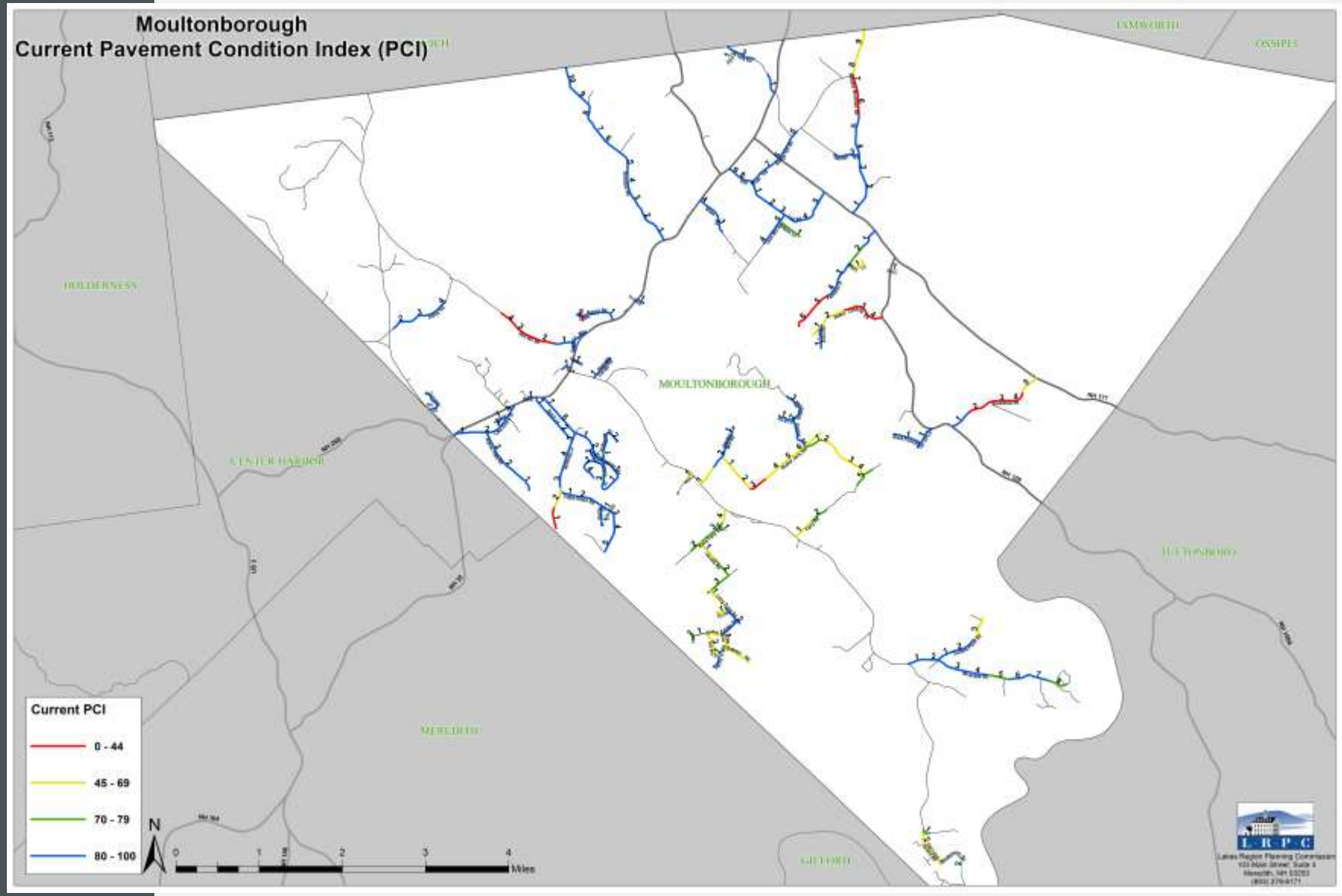
BENEFITS TO A MUNICIPALITY

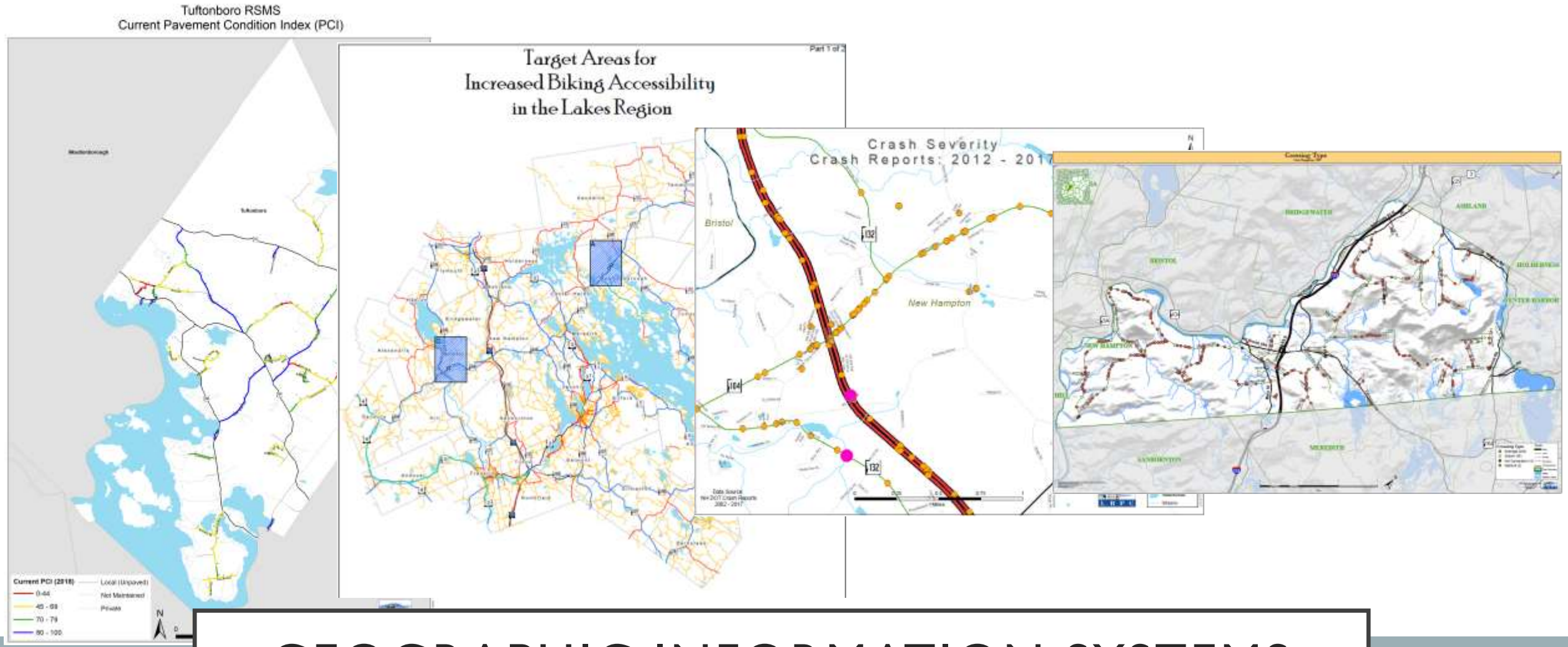
- Mileage, values, and conditions of roads are known
- Better awareness of infrastructure and maintenance needs
- Improve planning and local budgeting
- Can predict how the roads will be in 10 years



MOST RECENT RSMS PROJECTS

- Tuftonboro
- Moultonborough
- Ashland





GEOGRAPHIC INFORMATION SYSTEMS (GIS) MAPPING

MOBILE WIRELESS MAPPING PROJECT

CELL DATA COLLECTION

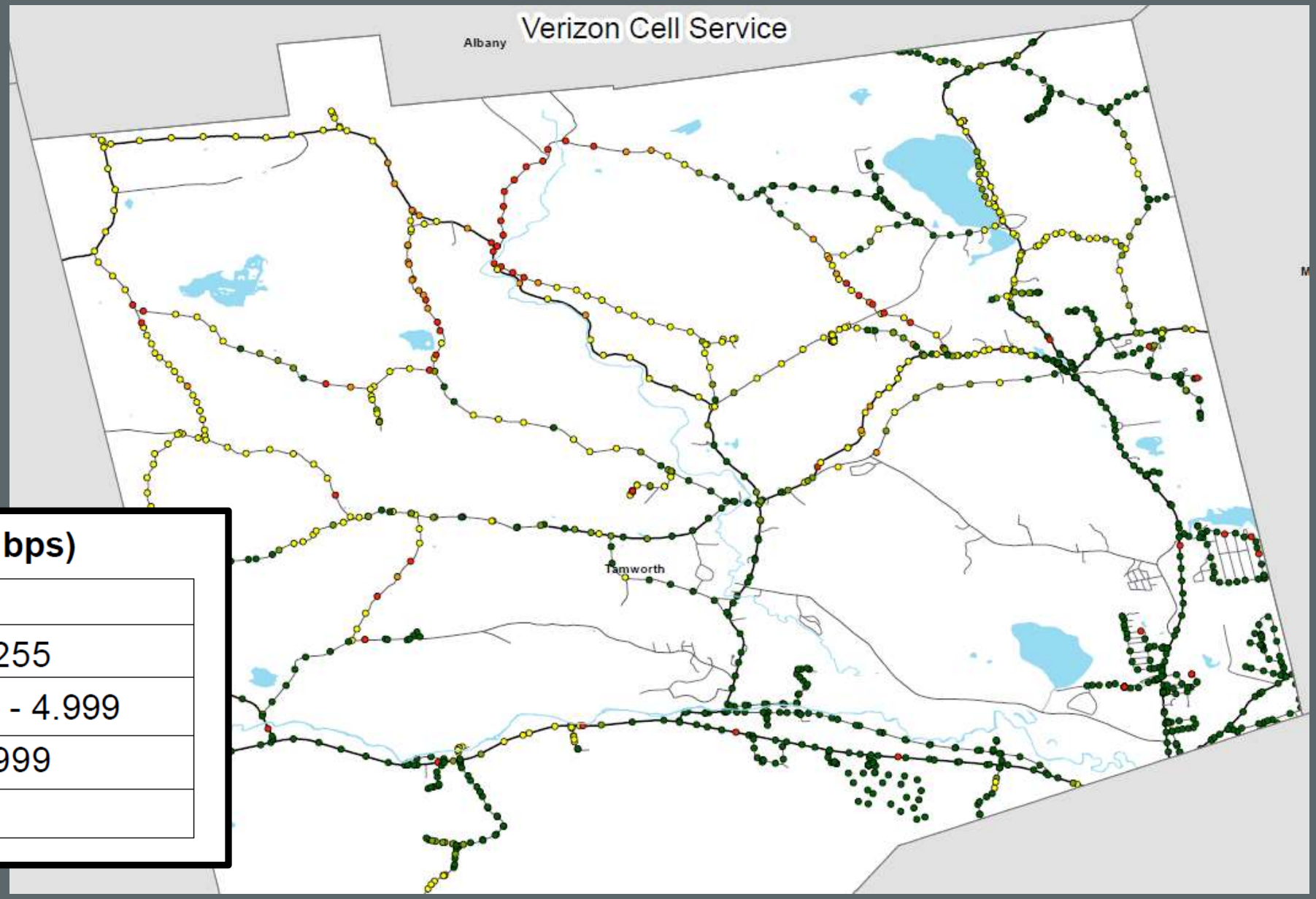
Utilize an application on 3 cell phones, one for each carrier

Volunteers signed up to participate in data collection

Run the application, then drive state and municipal roads

Map the results based on download speeds

EXAMPLE OF CELL SERVICE MAPPING



Download Speeds (Mbps)

No service, text, voice, and data not available	0
Spotty service, text may be possible, voice not likely	0 - 0.255
OK service, text and email likely, web browsing may be possible	0.256 - 4.999
Good service, voice, text, and web browsing likely, streaming may be possible	5 - 9.999
Great service, voice, text, and video streaming likely	10+

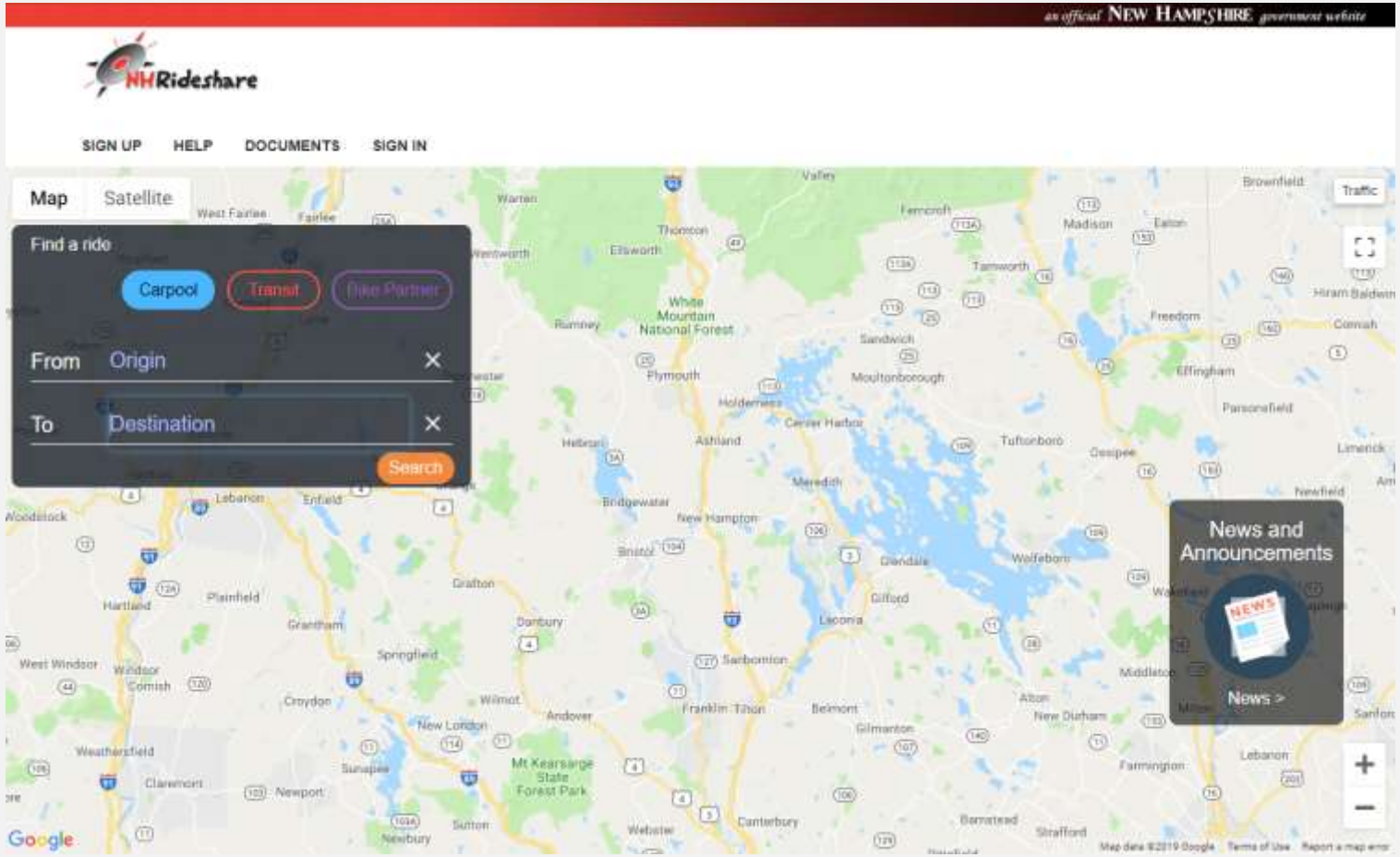
REGIONAL TRANSIT SUPPORT

LRPC works with Regional Coordinating Councils

- Mid-State RCC
- Carroll County RCC
- NH Ride Share

COMMUTESMART NEW HAMPSHIRE

STATE-WIDE INITIATIVE TO ENCOURAGE AND ASSIST PEOPLE TO CHOOSE SUSTAINABLE TRANSPORTATION OPTIONS



NH RIDE SHARE

- Easy search function to find carpool matches
- Log your commute smart trips
- Companies can participate in state-wide challenges
- Reduces traffic and the need for more parking spaces

JUNE CHALLENGE

- **Easy to sign up and join** other businesses and employers in a statewide challenge
- **Friendly competition** with other businesses
- **Win awards and prizes** for *most sustainable trips* logged and most *social media buzz*
- **Great for marketing** your business as sustainable and environmentally friendly
- **info@commutesmartnh.org**

COMMUTESMART NEW HAMPSHIRE STATEWIDE CHALLENGE 2019 JUNE 1 - 30

SAVE THE DATE

June 1-30, 2019

Mark your calendars, and start drafting your game plans for June 1, the start of the CommuteSMART New Hampshire Statewide Commuter Challenge. We can't wait to see who will join the competetion!

QUESTIONS?