

POWER UP
YOUR TOWN

EV Infrastructure
and Asset
Management



TYP Update



Safe Streets 4 All



EV Infrastructure



Roadway Regulation

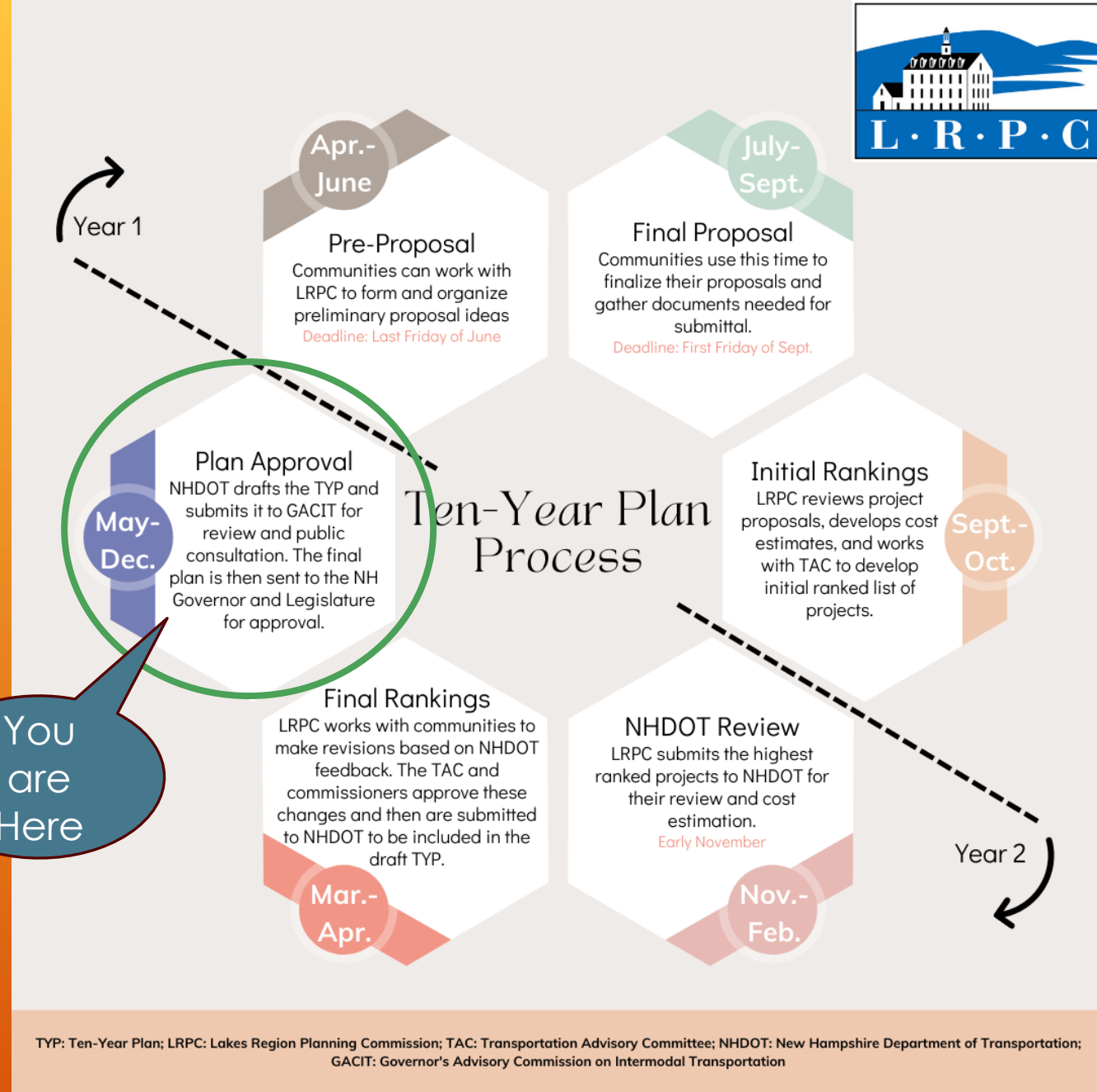


Asset Management Dashboards

TOPICS

- ▶ Executive Board has submitted regional prioritization to NHDOT
 - ▶ Meredith – NH 25
 - ▶ Laconia – Union Ave
 - ▶ Plymouth – N. Main St
- ▶ NHDOT in process of drafting TYP
- ▶ GACIT will be holding public meetings this fall

TYP UPDATE



TYP: Ten-Year Plan; LRPC: Lakes Region Planning Commission; TAC: Transportation Advisory Committee; NHDOT: New Hampshire Department of Transportation; GACIT: Governor's Advisory Commission on Intermodal Transportation

- ▶ NOFO open through July 10th
 - ▶ Action plans
 - ▶ Infrastructure
 - ▶ Require action plan
- ▶ LRPC working on Action Plan/SS4A application

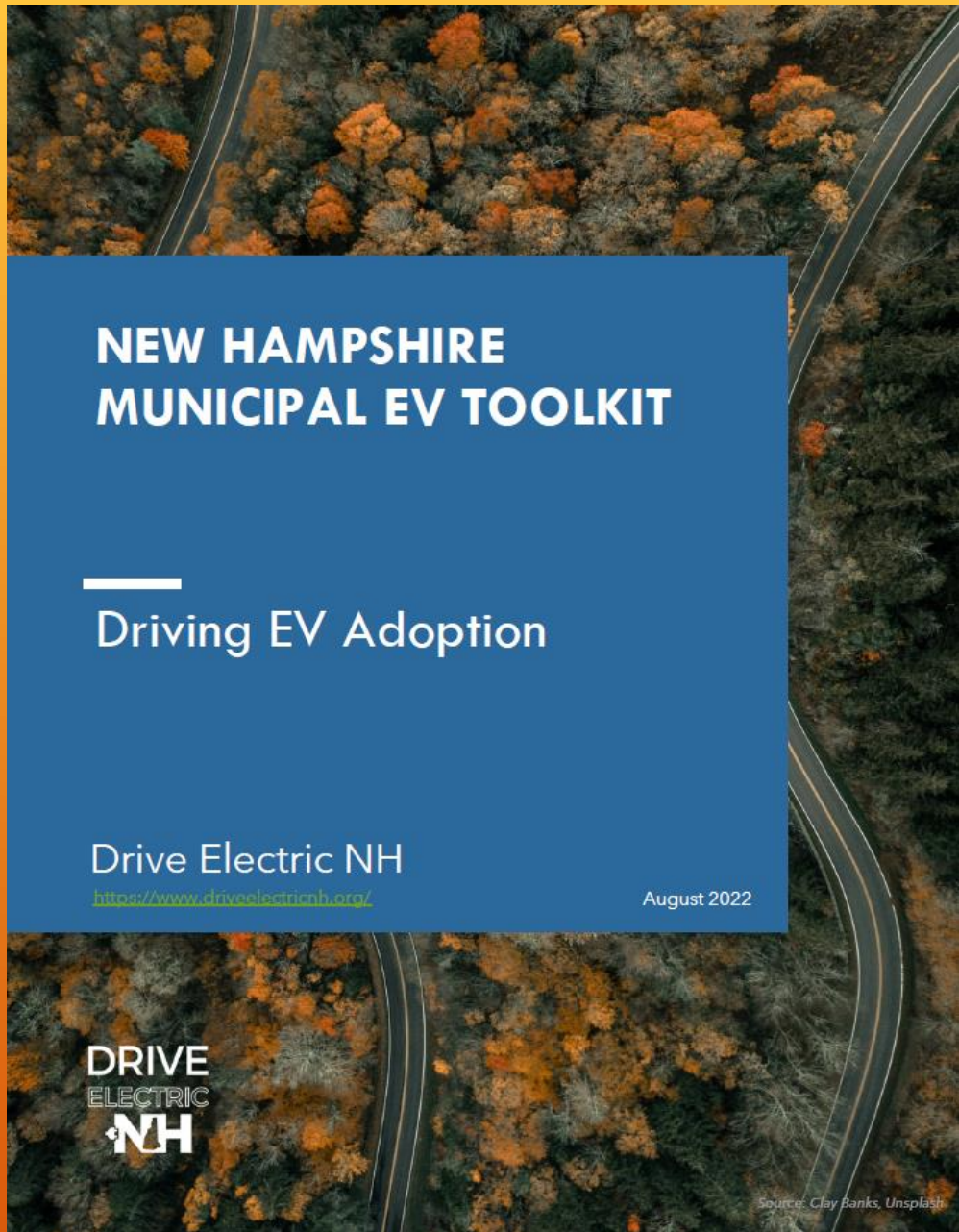
SAFE STREETS FOR ALL (SS4A)



- ▶ NH Municipal EV Toolkit
 - ▶ EV Adoption Projection
 - ▶ Grant Opportunities
 - ▶ Fleet & Infrastructure
 - ▶ Financial Analysis
 - ▶ Ordinances & Codes

EV INFRASTRUCTURE

Not officially published yet. Please contact us for more info.





- ▶ Charging and Fueling Infrastructure Grant (CFI)
- ▶ NOFO extended to June 13th
 - ▶ Future rounds next three years
- ▶ State Outlook
 - ▶ Build out EV Corridors first (see NEVI Plan)
 - ▶ Insufficient funding

EV INFRASTRUCTURE

- ▶ Consistency across ordinances
 - ▶ Less than 10 municipalities have a general roadway ordinance
 - ▶ All have **something** in their Subdivision Regulations
 - ▶ Average year last amended: **2010**
- ▶ Impacts on residential projects
- ▶ Towns do not need to meet state standards for local roads
 - ▶ Class V & VI

ROADWAY REGULATIONS

Road Standards

When the cost of construction is being charged under betterment assessment, what road design standards will apply? RSA 231:28 allows the betterment procedure to be used only when the existing private or Class VI road “does not conform to construction standards and requirements currently in effect in the town.” The words “currently in effect” are not defined in the statute, but an arbitrary standard is unlikely to be upheld. A consistent town-wide road policy should be adopted so that the standards the municipality uses for its own reconstruction projects, the standards required by the planning board for new subdivisions, and the standards required for municipal acceptance of dedicated roads are in line with each other. That doesn't mean that the standard must be the same for all roads. For example, standards for cul-de-sacs serving two or three dwellings can be, and should be, different from the standards for arterial highways. See Chapter 7.

Excerpt from *NH Hard Road to Travel*, NH Municipal Association

- ▶ Definitions
- ▶ Layout
- ▶ Monuments & Boundaries
- ▶ Roadway Classifications
- ▶ Names, Signs & Lights
- ▶ Construction Supervision
- ▶ Site Preparation
- ▶ Drainage
- ▶ Materials
- ▶ Course
 - ▶ Sub-base, Base, Top
- ▶ Cross Section Specifications
- ▶ Geometric Standards
 - ▶ i.e. grade, curvature, R-o-W, etc.
- ▶ Utilities
- ▶ Bonding

THINGS TO CONSIDER

- ▶ Culverts & Other Closed Drainage System (CCDS)
- ▶ Pavement As-Built Status
- ▶ Stream Crossing
- ▶ Pedestrian Infrastructure
 - ▶ Curb Ramps
 - ▶ Sidewalks
 - ▶ Pedestrian Push Buttons
- ▶ Aquatic Restoration Mapper
- ▶ Overhead Structures
- ▶ Tidal Crossings
- ▶ Guardrails
- ▶ Road Surface Management System

STATEWIDE ASSET DATA EXCHANGE SYSTEM (SADES)

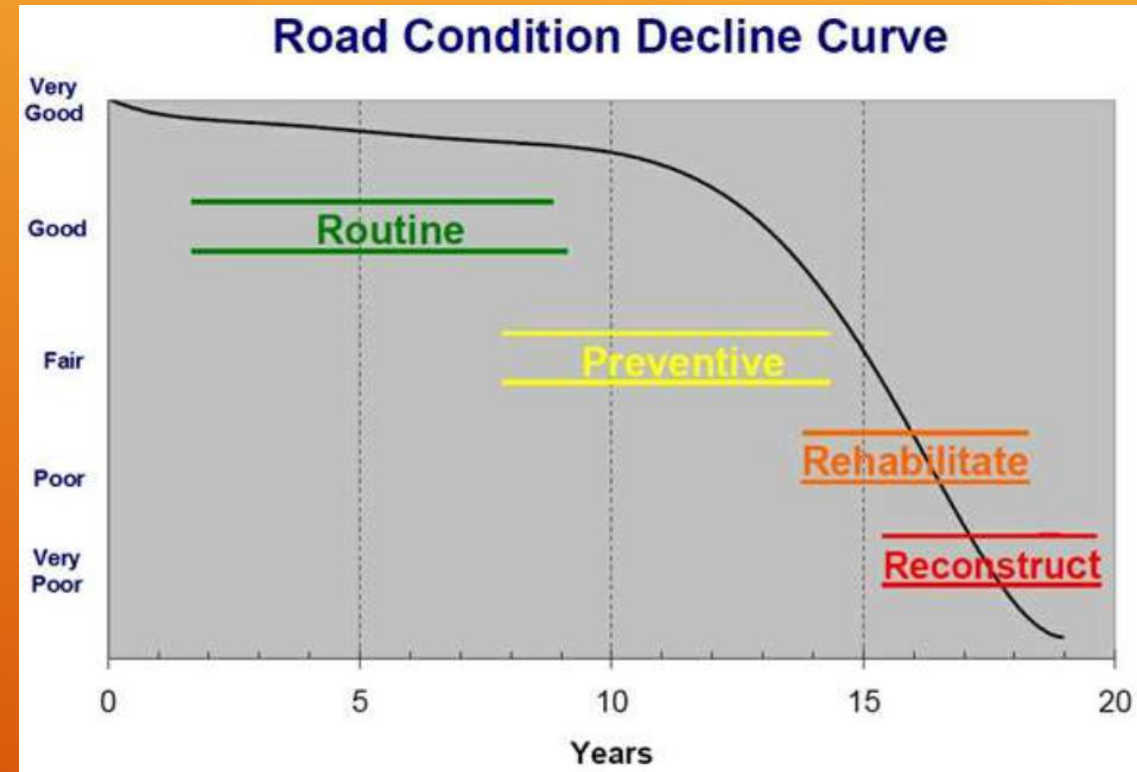
[NH Statewide Asset Data Exchange System \(SADES\) \(arcgis.com\)](https://nhsades.maps.arcgis.com)

Or <https://nhsades.maps.arcgis.com/home/index.html>

(also view "Gallery" tab)

- ▶ Provides an overview and estimate of road system conditions and approximate costs for future improvement
- ▶ AASHTO estimate every \$1 spent to keep a road in good condition avoids \$6-14 needed later to rebuild once it has deteriorated
- ▶ Coordinate with local road agent to incorporate their specific repair techniques and local costs.
- ▶ Works well in conjunction with CCDS

ROAD SAFETY MANAGEMENT SYSTEM



- ▶ June 6th at Moultonborough Public Library from 2:00 – 4:00PM
- ▶ Focus on PGA usage for Road Agents, DPW Directors, and Solid Waste Operators
- ▶ Additional information to be sent our tomorrow (5/23)

- ▶ Contact Sean Chamberlin for questions on this presentation as well as more information regarding TAC or other transportation topics.
 - ▶ schamberlin@lakesrpc.org
 - ▶ (603) 279-5335

JUNE TAC MEETING

Intermission

Solid Waste Research, Events, and Reuse Strategies





Lakes Region Solid Waste Overview

- SW Research
- Regional Foam Recycling Program
- 2023 HHW Collection
- PGA Research
- Upcoming Roundtable for SWO's

USDA Solid Waste Research



Who is the research for?

- Solid Waste Operators
- DPW Directors

What kind of research?

- Material studies
- Resident outreach
- Operator interviews

Why is this research important?

- Relevant work for LRPC's USDA Solid Waste Management FY22 grant award.
- This research will help us quantify solid waste data, identify local trends and potential cost savings.

2023 Solid Waste Research Project

March 1st to May 9th, 2023

What was done?

1. 6 weeks of data collection
2. Site visits at 5 transfer stations
3. Survey questions for residence
 - Foam (polystyrene) disposal
 - Latex paint disposal
4. Interviews with SWO's
 - hauling schedules
 - MSW costs
5. Cost analysis for each site
 - MSW density
 - volume of foam in containers
 - annual hauling reductions
 - Cost savings



PSU Internship:
Zoe Simpson



Research Findings

- Regional average MSW density for the 5 towns is: 0.237tons/yrd³
- By removing estimated foam amounts we saw: Cost savings ranged from \$460-\$4,000 annually
- Towns with pay-per-bag systems in place: Residence are much more willing to recycle and separate out their materials



Regional Foam Recycling Program

Gilford's Program and What they Offer

1. Other towns near Gilford are allowed to bring polystyrene #6 foam to Gilford for free. (singular residence and/or towns)
2. Foam collection days for your town or continuous collection.
3. Eliminating foam disposal in a towns MSW container can allow for denser garbage hauls and reduced haul frequencies.



LRPC Work with Gilford

1. Technical grant writing assistance for Gilford's NBRC grant application.
2. Gilford is currently applying for NBRC's Catalysis Program to permanently site the machine on loan and start a regional foam recycling program for other communities.



Household Hazardous Waste Collections

Our annual collection is coming up!!!!

When are the Collections

Last Saturday in July 7-29-23 & First Saturday in August 8-5-23

What to Bring

10 Gallons or 50 Pounds of HHW

Last Years Collections

- 1,697 vehicles counted at collection
- 53,410 lbs. of toxic household waste removed



HHW Coordinator Meetings

First Meeting, last week May 17, 2023 @ 103 Main St. Meredith

We discussed.....

- Advertisement material updates
- T-shirt orders
- Upcoming Tradebe site visits at host sites
- Coordinator outreach with their communities

Our next HHW Coordinator meeting is-

June 21, 2023 6-8 PM @ 103 Main St. Meredith, NH (LRPC)

Research Topic

Can municipal solid waste materials be reused for other town operations and projects?

What is PGA?

Processed Glass Aggregate

This is a type of aggregate used in road construction that is produced from crushed glass. In order to use PGA in road construction, it must meet an engineered technical specification.

- Can be produced at the transfer station.
- Glass that is collected at the transfer station from residents.



What Goes into PGA Production?

Material Collected and Used:

- Soft drink glass (coke bottle)
- Beer bottle
- Food glass container
- Wine bottles
- Liquor bottles

Collection Process:

- Glass separated by residence
- SWO's feed glass crushing machine with glass material
- PGA is collected in a storage container
- PGA stored separately from other material, piles are managed and stored in a bin or on a hard surface (concrete)



Benefits of Producing PGA for a Town

Benefits:

- Proper management of glass
- No hauling or tipping fees for glass bottle disposal
- Local reuse of materials
- Replacement or reduction of gravel and sand for municipal projects

PGA use for municipal projects:

- Culvert repairs

Upcoming SWO Training and Roundtable

PGA Municipal Uses and Strategies

June 6, 2023, 2-4 PM @ Moultonborough Public Library
4 Holland St. Moultonborough, NH 03254

- For- SWO's, HWY department, road agents
- Can receive SWO training credit hours
- Guest speaker- John Keane, BCEP Solid Waste District
- Guest speaker- George Drew, Barnstead Road Agent

An illustration of a large, multi-story building with a black roof and a central steeple. The building is white with black window outlines. To the left is a smaller white building with a black roof. The background features blue hills and a white sky. The text "Thank You!" is written in a black serif font on the right side of the illustration.

Thank You!

L · R · P · C