

# North Country Transportation Advisory Committee

March 7, 2023

10:00AM

Medallion Opera House, Gorham, NH

# Meeting Agenda

- ▶ Call to Meeting
- ▶ Approve Meeting Minutes: January 24, 2023 \*\*
- ▶ CMAQ Applications \*\*
- ▶ Ten-Year Plan Projects \*\*
- ▶ Regional Transportation Plan - Draft \*\*
- ▶ Updates
- ▶ Other Business
- ▶ Meeting Scheduling
- ▶ Adjourn

# Approve Meeting Minutes from January 14, 2023

- ▶ Discussion of the minutes and note any changes
- ▶ Vote to approve the minutes, with or without any amendments/updates.

# Congestion Mitigation and Air Quality (CMAQ) Applications

- ▶ The CMAQ program is a federally funded reimbursement program that provides up to 80% of funds for projects that improve air quality by reducing the amount of vehicular emissions. There is approximately \$30 million total dollars available for this round. Funding is targeted for federal fiscal years 2025 through 2028.
- ▶ 3 CMAQ Applications were Submitted:
  - ▶ Berlin
  - ▶ Franconia
  - ▶ Glen & Mt. Washington Stage Company

# Notes on CMAQ Projects

- ▶ Note: NHDOT has decided to shift all EV Charger Infrastructure funding to be looked at separately at a later date.
- ▶ The Franconia application will be put aside until the review process for EV Charging Projects is determined by NHDOT.
- ▶ Berlin Application will be reviewed for its Clean Vehicle Fleet purchases, charging infrastructure will be reviewed later with other EV Charging Applications.

# Berlin Public Schools - SAU 3

- ▶ Purpose: Replace four (4) older diesel buses in the fleet (model years 2010-2013) with four (4) fully electric buses and charging stations.
- ▶ Eventual Goal is to transition entire fleet from Diesel to electric.
- ▶ Initial estimate of a reduction of 270,000 pounds of emissions per year.
- ▶ Will result in cleaner air quality for community, staff, and students
- ▶ Project Amount: \$1,580,000
  - ▶ Federal: \$1,264,000 (80%)
  - ▶ Local: \$316,000 (20%)
- ▶ Documents: Letter of support, Maintenance Schedule for fleet vehicles
- ▶ Rank: 1 (Score of 60)
- ▶ Used points/scoring system on Application form to score and determine a rank

# Berlin Public Schools - SAU 3

## Emissions Reductions:

Emissions Reductions	
Pollutant	Total kg/day
Carbon Monoxide (CO)	0.07372
Nitrogen Oxide (NOx)	0.16400
Particulate Matter <2.5 µm (PM <sub>2.5</sub> )	0.00402
Particulate Matter <10 µm (PM <sub>10</sub> )	0.00422
Volatile Organic Compounds (VOC)	0.00431
Carbon Dioxide Equivalent (CO <sub>2</sub> e)	23.04822
Carbon Dioxide (CO <sub>2</sub> )	23.00971
Total Energy Consumption (MMBTU)	0.29607

(Air Quality Analysis Using CMAQ Emissions Calculator Toolkit (On-Road Diesel Repower/Replacement tool))

# Glen & Mt. Washington Stage Co.

- ▶ Summary: Convert 10 gasoline-powered vehicles to run on alternative fuels (Propane).
- ▶ Goal is to reduce harmful emissions produced from guided vehicle tours.
- ▶ Company to contract initial retrofit/conversion activity and then be maintained by staff.
- ▶ Project Amount: \$90,000
  - ▶ Federal: \$72,000
  - ▶ Match: \$18,000
- ▶ Rank: 2 (Score of 45)
- ▶ Used points/scoring system on Application form to score and determine a rank



# Glen & Mt. Washington Stage CO. Emissions Reductions:

Emissions Reductions	
Pollutant	Total (kg/day unless noted)
Carbon Monoxide (CO)	0.876
Nitrogen Oxide (NO <sub>x</sub> )	0.020
Particulate Matter <2.5 μm (PM <sub>2.5</sub> )	0.001
Particulate Matter <10 μm (PM <sub>10</sub> )	0.001
Volatile Organic Compounds (VOC)	0.033

(Air Quality Analysis Using CMAQ Emissions Calculator Toolkit (On-Road Alternative Fuel Vehicle Fleet Purchase))

# Ten Year Plan Projects

- ▶ After the submittal of projects in November, NHDOT staff created a working group to review and comment on all of the submitted Ten-Year Plan projects statewide. The committee met to discuss the projects and consider implementation issues including:
  - ▶ The assumptions related to work required to carry out the project scope.
  - ▶ The estimated costs for Engineering (PE), Right-of-Way (ROW) and Construction (CON).
  - ▶ Estimated schedule to carry out the work to accomplish the proposed project and plan financially.
- ▶ Today: We will review the projects again, along with the NHDOT comments, and determine if we need to reprioritize the projects, and which to officially submit to the state
- ▶ *Our Regional Allocation:* **\$7,180,998**

# Priority 1 - Shelburne: US 2 Resiliency Improvements

- ▶ **Project Summary:** To Reduce the Risk of flooding along US-2 due to large rainfall events.
- ▶ **Summary of Comments:**
  - ▶ Aquatic Remediation must be factored in
  - ▶ Would FEMA Flood map revisions be necessary?
  - ▶ Increased estimated construction cost factoring in full-depth construction
  - ▶ Increased Preliminary Engineering to reflect cost with similar projects
  - ▶ Added funding to ROW phase due to additional investigation possible needed.

Shelburne Funding			
Phase	2022 NCC Estimate	2022 NHDOT Estimate	YoE
PE	\$ 263,000	\$ 500,000.00	\$ 659,563.00
ROW	\$ 52,000.00	\$ 100,000.00	\$ 147,103.00
CON	\$ 1,289,000.00	\$ 1,700,000.00	\$ 2,689,238.00
CE	\$ 563,000.00	\$ 200,000.00	\$ 316,381.00
Totals	\$ 2,167,000.00	\$ 2,500,000.00	\$ 3,812,285.00

# Priority 2 - Gorham Installation of Bicycle & Pedestrian Improvements on NH16

- ▶ **Project Summary:** Provide pedestrian and Bicycle facilities along NH-16 between Lydia's Golden Touch and the Walmart Supercenter
- ▶ **Summary of Comments:**
  - ▶ Minimal comments, conceptual estimate is in line with similar projects statewide.
  - ▶ Added \$50,000 to ROW phase due to ROW along project boundary appearing on private property where sidewalk proposed.
  - ▶ A municipal agreement will need to be executed prior to commencing the project for maintenance obligations
  - ▶ Project would be split 80/20 (Federal and local)

Gorham Funding			
Phase	2022 NCC Estimate	2022 NHDOT Estimate	YoE
PE	\$ 482,000.00	\$ 482,000.00	\$ 578,017.00
ROW	\$ 65,000.00	\$ 115,000.00	\$ 153,970.00
CON	\$ 3,208,000.00	\$ 3,208,000.00	\$ 4,613,409.00
CE	\$ 564,000.00	\$ 564,000.00	\$ 811,086.00
Totals	\$ 4,319,000.00	\$ 4,369,000.00	\$ 6,156,482.00

# Priority 3 - Randolph Widening of US-2 for Left Turn Lane

- ▶ **Project Summary:** The purpose of this project is to provide a left-turn lane on US-2 into Randolph Hill Road, while maintaining the existing passing lane in the eastbound direction
- ▶ **Summary of Comments:**
  - ▶ Minimal comments due to conceptual estimate of construction costs in line with similar projects
  - ▶ Pavement under the shoulder may need to be rebuilt and thus could impact final project costs
  - ▶ ROW costs were increased due to some proposed slope work appears out of ROW and may incur additional costs/timeline changes

Randolph Funding			
Phase	2022 NCC Estimate	2022 NHDOT Estimate	YoE
PE	\$ 420,000.00	\$ 500,000.00	\$ 659,563.00
ROW	\$ 40,000.00	\$ 100,000.00	\$ 147,103.00
CON	\$ 2,800,000.00	\$ 2,500,000.00	\$ 3,954,761.00
CE	\$ 518,000.00	\$ 462,000.00	\$ 730,840.00
Totals	\$ 3,528,000.00	\$ 3,562,500.00	\$ 5,492,267.00

# Priority 4 - Conway Improvements to Intersection at NH16 and Intervale Cross Rd

- ▶ **Project Summary:** Improve safety and operations at NH-16 and Intervale Cross Road for all roadway users. Project currently designed with a roundabout.
- ▶ **Summary of Comments:**
  - ▶ Project Purpose and need must involve a review of a reasonable list of alternatives
  - ▶ Proposed Cost of Roundabout appears reasonable
  - ▶ Concerns on the diameter of roundabout to accommodate larger vehicles using truck route
  - ▶ Issues might exist due to impacts to scenic overlook
  - ▶ Increased ROW funds due to need for public hearing and possible acquisitions
- ▶ NHDOT Comment Letter contains inaccurate estimates.
- ▶ Bottom Chart contains estimates from Nov. Submittal

Conway Funding (NHDOT Comments)			
Phase	2022 NCC Estimate	2022 NHDOT Estimate	YoE
PE	\$ 150,000.00	\$ 500,000.00	\$ 599,603.00
ROW	\$ 10,000.00	\$ 100,000.00	\$ 133,730.00
CON	\$ 654,000.00	\$ 2,000,000.00	\$ 2,876,190.00
CE	\$ 40,000.00	\$ 300,000.00	\$ 431,428.00
Totals	\$ 854,000.00	\$ 2,900,000.00	\$ 4,040,951.00

Conway Funding (Nov. Submittal Docs)			
Phase	2022 NCC Estimate	2022 NHDOT Estimate	YoE
PE	\$ 377,000.00	\$ 500,000.00	\$ 599,603.00
ROW	\$ 40,000.00	\$ 100,000.00	\$ 133,730.00
CON	\$ 1,884,000.00	\$ 2,000,000.00	\$ 2,876,190.00
CE	\$ 349,000.00	\$ 300,000.00	\$ 431,428.00
Totals	\$ 2,301,000.00	\$ 2,900,000.00	\$ 4,040,951.00

# Regional Transportation Plan Update

- ▶ **The work continues!**
- ▶ Opening Narrative Segments almost completed
- ▶ Goals, Objectives, and Strategies almost completed
- ▶ Corridor Datapoints have been collected and organized
- ▶ Maps are completed
- ▶ Corridors will be the big lift coming up.
  - ▶ Finalize a corridor template/style
  - ▶ Input data into the templates
- ▶ Next meeting will have a full draft for your review! (With time to spare)

# Updates

- ▶ NCC Updates
  - ▶ SADES Inventory (RSMS, Culverts, Stream Crossings)
  - ▶ On-Call Engineering Services
  - ▶ 2023 Traffic Count Season
- ▶ Scenic Byways
- ▶ Community Updates



# Other Business

- ▶ Meeting Scheduling for next few months
- ▶ Anything else to discuss?

# Adjourn - Thank you!

- ▶ Next meeting: Mid-May?