



Transportation Advisory Committee Meeting

October 29th, 2024





October TAC Agenda

1. Call to Order
2. Action on Minutes from April 9th and Notes from June 11th, 2024
3. Ten-Year Plan Project Rankings
4. Updates from Members
5. Other Business
6. Adjourn



Ten-Year Plan Process

- This is a preliminary ranking and will not be the final decision on which project gets funded.
- This initial ranking assists NHDOT in their project reviews.
- We will be sharing NHDOT comments with the municipalities to ensure consensus and that the municipality wants to continue with an application
- TAC will have several months to further discuss the ranking and prioritization of candidate projects
- UVLSRPC needs to submit a ranked list of projects to NHDOT by November 8th, so this is the last scheduled TAC meeting before that deadline Questions:
 - Is there general consensus about the project ranking?
 - Staff Recommendation: to approve the initial project ranking and recommend it to NHDOT

• Red List Bridges

* means that the project is in the first four years of the Ten-Year Plan.

- ***Acworth:** Replace Forest Rd Bridge over great Brook: \$1,545,130
- **Claremont:** NH 12A, Bridge Rehabilitation Carrying NH 12A Over Sugar River: \$6,745,173
- **CHARLESTOWN** REPLACE BRIDGE STREET BRIDGE OVER NECRR \$2,606,130
- ***Cornish:** Address The Red List Bridge (064/108) Carrying, Cornish Toll Bridge Road Over Connecticut River: \$12,166,815
- ***Lebanon:** NH 12A Bridge Replacement Over B&M RR Bridge: \$16,308,890
- ***Lebanon:** Bridge Replacement-Trues Brook Rd Over Bloods Brook-BR: \$4,551,581
- ***Lebanon:** Bridge Replacement NH 120 Over NHRR: \$2,068,334
- ***Orford:** Bridge Replacement is anticipated for the bridge carrying NH Route 25A over Brackett Brook: \$2,734,000
- **Orford:** Bridge Rehab Or Replacement Of The Bridge Carrying NH Route 25A Over Baker Pond Brook: \$1,671,324
- ***Piermont:** Rehabilitation Of Red List Bridge Carrying NH 25 Over Connecticut River: \$7,264,627
- ***Sunapee:** Replace Trask Brook Road Bridge Over Wendell Brook: \$2,409,001

• Bridges

* means that the project is in the first four years of the Ten-Year Plan.

- ***Canaan:** Bridge Rehabilitation-Grist Mill Hill Road Over Indian River-Br: \$1,204,413
- ***Cannan:** Bridge Rehabilitation- Potato Road Over Indian River-BR: \$1,209,568
- **Canaan:** Replace Bridge Street Bridge over NECRR: \$2,606,130
- **Charlestown:** Address Bridge Carrying NH 11 Over Conn River Between Charlestown, NH and Springfield, VT: \$7,342,500
- **Dorchester:** Bridge Replacement-Province Road Over Bucks Brook-BR: \$1,072,878
- ***Dorchester:** Bridge Replacement-Province Road Over South Branch Of Baker River-BR. \$1,474,116
- **Enfield:** Replace Shaker BLVD Bridge Over Knox River: \$1,179,837
- **Grantham:** Replace Olde Farms Road Bridge Over Sawyer Brook: \$979,065
- **Lebanon:** Address Bridge (099/111) Carrying I-89, NH 10 SB Ramp Over Mascoma River In The Town Of Lebanon: \$2,781,897
- ***Lyme:** Replace Pinnacle Road Bridge Over Trout Brook: \$1,459,586
- **Newport:** Replace Greenwood Road Bridge Over Dodge Brook: \$1,511,000
- **Orange:** Replace Brock Hill Road Bridge Over Brown Brook: \$1,460,299
- **Orford:** Replace High Bridge Road Bridge Over Archertown Brook: \$1,729,855

• Airport

* means that the project is in the first four years of the Ten-Year Plan.

- **Claremont:** Preservation, Modernization, And/or Expansion Of Airport Facilities, Planning Studies:
\$3,807,090
- **Lebanon:** Preservation, Modernization, And/or Expansion Of Airport Facilities, Planning Studies:
\$37,210,624

• CMAQ, TAP, and CDS

* means that the project is in the first four years of the Ten-Year Plan.

- **Claremont (TAP):** Construction Of 1,400 LF of SW Along Broad St. Construct 1,950 LF Of Pedestrian Path At Monadnock Park And Rail Trail: \$997,165
- ***Hanover (CDS):** Multi-Use Path Connecting Reservoir Rd to South – As Identified in CDS 2022 Legislation: \$587,500
- **Lebanon (TAP):** Construct Bike and Pedestrian Improvements Along Lahaye Dr From NH RTE 120 To Mount Support Rd: \$1,018,904
- ***Lebanon (CMAQ):** Extend Bike/Ped Path 1.3 Mi From Current Terminus At Glen Rd Westward to Sidewalk Network on Rt 12A: \$2,851,124
- ***Lebanon (CDS):** Mechanic Street Sidewalk Project – As Identified in CDS 2022 Legislature: \$427,301
- **Newport (TAP):** Reconstruct 2,800LF Of Dilapidated Pedestrian Sidewalks Along NH Route 11/103: \$882,652
- ***Newport (CMAQ):** Construct a Park And Ride Lot For Motor Vehicles Commuting And Otherwise Traveling To And From Newport: \$630,399

• Regional Priority Projects

* means that the project is in the first four years of the Ten-Year Plan.

- ***Charlestown:** Reconstruction or Rehabilitation From NH 12A in Southern Charlestown to Almar Street (Approximately 2.4 Miles):
\$17,756,694
- **Claremont:** Roadway Reconstruction (Phase 1) of NH 103 From Citizen to West Street Intersections: \$4,357,754
- ***Enfield:** Add Shoulders, Improve Alignment, and Remove Clear Zone Obstructions on US 4: \$10,108,335
- ***Lebanon:** Exit 18/NH 120 Improvements: \$19,692,392

• Regional Priority Projects

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- ***Lebanon:** Reconstruct Mechanic Street/High Street Mascoma Street Intersection: \$4,585,142
- ***Lebanon:** Intersection Improvement: US 4/ Mechanic Street and Slayton Hill Road: \$4,905,964
- **Lebanon:** Complete Street Improvements to Hanover Street From NH120 to High Street (~1400 LF) Including BK LNS/SDWLKS/INTRSCT Improvement: \$6,031,496



UVLSRPC ALLOCATION

- **Regional programming allocation:** \$60M in funding will be used as the total regional allocation for the 2027-2036 TYP.
 - allocation based on 50% Regional census population and 50% Federal-Aid Eligible (FAE) Lane Miles.
 - The budget allocation applies to new projects, and also to existing projects that are clearly underfunded in the 2025-2034 TYP.
 - All new projects will be targeted for CON phase programming in 2036 & 2037.
 - All new project proposals must account for annual inflation (Anticipated to be around 3.7%) and indirect costs (10% if DOT managed) in the proposed estimates.

\$4,490,804



UVLSRPC ALLOCATION

RPC	FAE Lane Miles	%	Population	%	50% By FAE Lane Miles	50% Population	RPC	Total available for 2035-2036 Projects
NCC	1,537	18%	83,107	6%	\$ 5,371,083.13	\$ 1,809,915	NCC	\$ 7,180,998
UVLSRPC	721	8%	90,554	7%	\$ 2,518,707.96	\$ 1,972,096	UVLSRPC	\$ 4,490,804
LRPC	958	11%	130,459	9%	\$ 3,349,500.95	\$ 2,841,153	LRPC	\$ 6,190,653
SWRPC	804	9%	100,307	7%	\$ 2,811,885.43	\$ 2,184,498	SWRPC	\$ 4,996,384
CNHRPC	762	9%	120,515	9%	\$ 2,662,377.85	\$ 2,624,591	CNHRPC	\$ 5,286,969
SNHPC	1,243	14%	285,230	21%	\$ 4,346,384.73	\$ 6,211,775	SNHPC	\$ 10,558,160
NRPC	760	9%	217,543	16%	\$ 2,655,732.68	\$ 4,737,679	NRPC	\$ 7,393,412
RPC	1,066	12%	198,870	14%	\$ 3,724,807.96	\$ 4,331,016	RPC	\$ 8,055,824
SRPC	732	9%	150,944	11%	\$ 2,559,519.30	\$ 3,287,277	SRPC	\$ 5,846,797
Totals	8,582	100%	1,377,529	100%	\$ 30,000,000	\$ 30,000,000		\$ 60,000,000

Claremont Main Street Project

- Name/ Title: NH 12/103 Main Street Project Phase II
- Type of Project: Highway Improvements, Asset Management, and Bicycle and Pedestrian Improvements
- Location: Main Street/NH Route 12/103 from Elm Street to Westside Avenue
- Scope: The scope of the project includes full depth reconstruction of the roadway, newly constructed sidewalks, added bike lanes, improved pedestrian crossings, and landscaping. Water and sewer improvements intended to occur at the same time at the City's expense and are not included in the scope of this application.
- Cost: \$6,482,000 (2036 Dollars)

Claremont Main Street Project



Charlestown Lovers Lane Intersection Project

- Name/Title: NH Route 12 at Lovers Lane
- Type of Project: Highway improvements
- Location: Intersection of Lovers Lane and Route 12 Charlestown, NH
- Scope: Woodrise Road Extension: Lover's Lane north of the intersection with NH Route 12 would become a one-way road with exit only from NH Route 12A (northbound only) and no access to enter NH Route 12A southbound. Woodrise Road would be extended south to NH Route 12 and would be one-way only southbound between Lover's Lane and Route 12A that would allow vehicles to turn onto Route 12A, and would not allow vehicles to enter Woodrise Road from Route 12A.

Charlestown Lovers Lane Intersection Project



Enfield US 4/Main/Maple - Intersection Improvement



All of information on the Enfield project comes from NHDOT

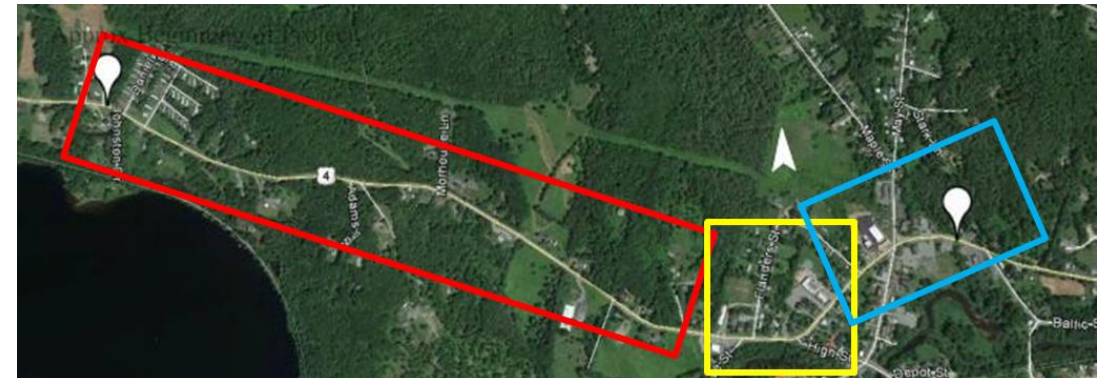
“... address existing deficiencies through an approach that preserves capacity, enhances safety and protects the natural environment.”

2007 Corridor Study

Primary issues identified in the RSA include:

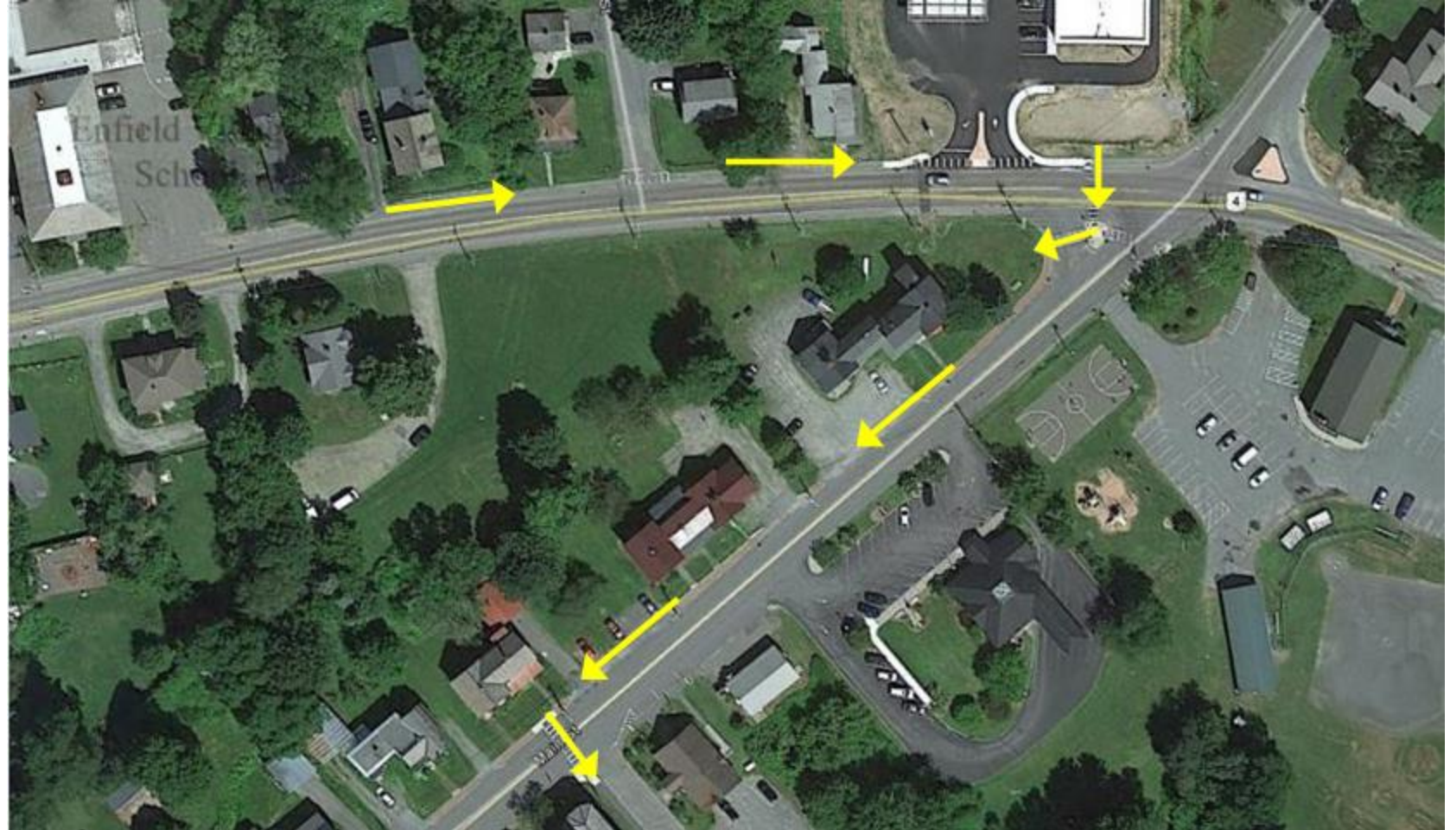
- Horizontal curvature
- Intersection skew and offset
- Sightline obstructions (trees and private signs)
- Unnecessary conflict points (slip ramps)
- Ineffective/inadequate pedestrian facilities (sidewalks and crosswalks)

*Part of a larger project



Existing Conditions

- Underground & Overhead Utilities
- Closed Drainage system
- Curb & Sidewalk
- Inefficient Pedestrian Facilities



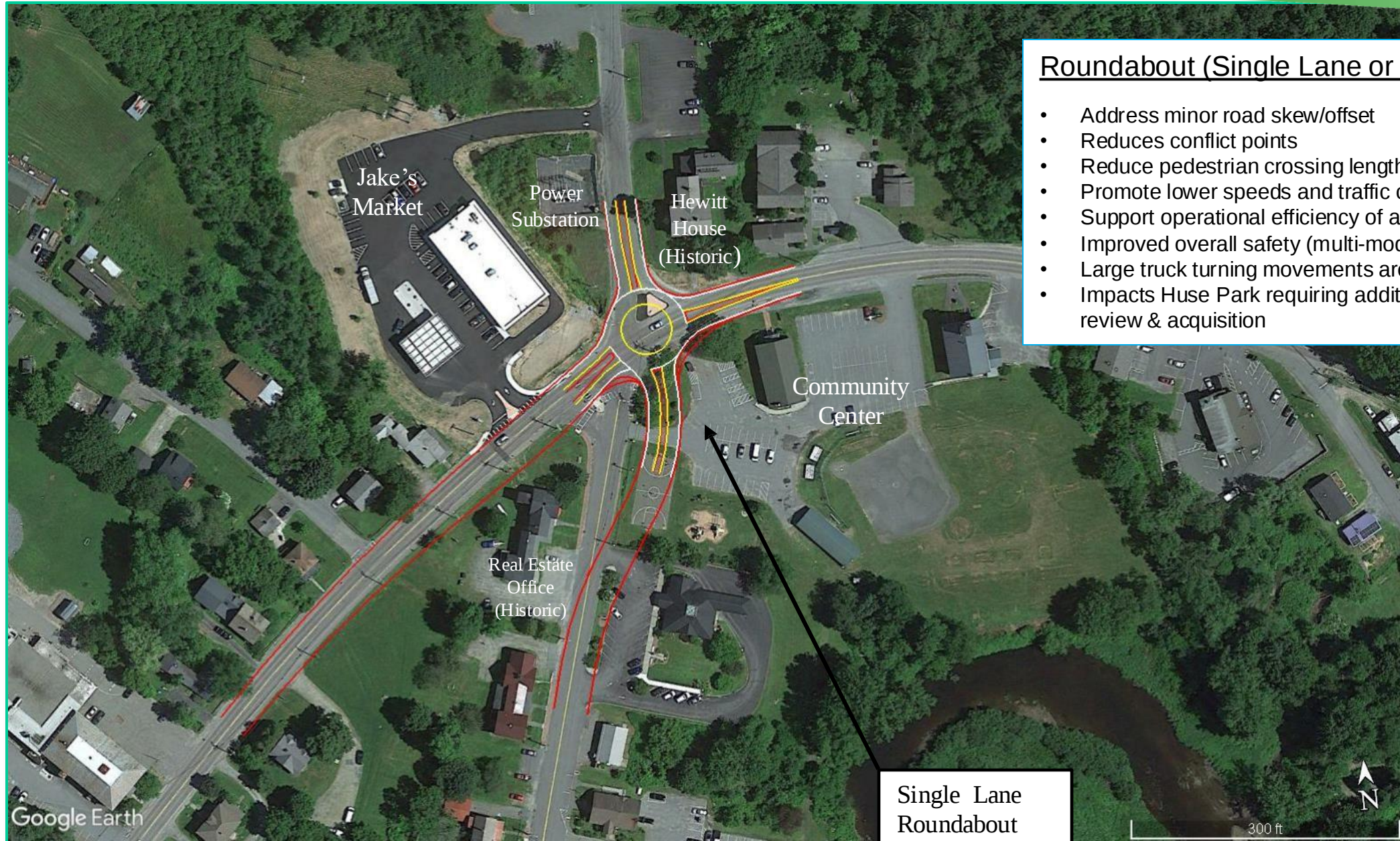
Village District Alternatives

- **Intersection alternatives Include:**
 - **Realignment**
 - Two-Way Left Turns
 - T Intersection
 - Minor Geometry Improvements
 - **Roundabout**
 - Compact (<90' ISD)
 - Single (>90' ISD)
 - **No-build**



Roundabout (Single Lane or Compact)

- Address minor road skew/offset
- Reduces conflict points
- Reduce pedestrian crossing length/number
- Promote lower speeds and traffic calming
- Support operational efficiency of all approaches
- Improved overall safety (multi-modal)
- Large truck turning movements are challenging
- Impacts Huse Park requiring additional property review & acquisition



Single Lane
Roundabout
ICD 90ft

Conceptual Estimated Costs

- Ten Year Plan Budget - \$6.9M (2024 \$\$)
- Hill Segment - \$15.0M
- Transition Segment - \$2M
- Village District Segment - -\$8,660,303 (2036 Dollars)
- Huntoon Brook Culvert - \$1.5M (Added funds in 2021)





Ten-Year Plan Criteria/Weight

Criteria Information		
Criteria	Sub-Criteria	Criteria Weight
Economic Development	Local & Regional	7%
	Freight Movement	5%
Equity, Environmental Justice, & Accessibility	Equity & Environmental Justice	5%
	Accessibility	7%
Mobility	Mobility Need & Performance	7%
	Mobility Interventions	7%
Natural Hazard Resiliency	Hazard Risk	7%
	Hazard Mitigation	7%
Network Significance	Traffic Volume	4%
	Facility Importance	10%
Safety	Safety Performance	9%
	Safety Measures	9%
State of Repair	State of Repair	4%
	Maintenance	4%
Support	n/a	8%
		100%

Criteria Information			Claremont Main St Phase II		Lovers Lane Intersection		Enfield Route 4	
Criteria	Sub-Criteria	Criteria Weight	Raw Score (out of 10)	Weighted Score	Raw Score (out of 10)	Weighted Score	Raw Score (out of 10)	Weighted Score
Economic Development	Local & Regional	7%	5	3.5	5	3.5	7	4.9
	Freight Movement	5%	2	1	2	1	0	0
Equity, Environmental Justice, & Accessibility	Equity & Environmental Justice	5%	6	3	5	2.5	3	1.5
	Accessibility	7%	6	4.2	0	0	7	4.9
Mobility	Mobility Need & Performance	7%	8	5.6	5	3.5	7	4.9
	Mobility Interventions	7%	2	1.4	0	0	4	2.8
Natural Hazard Resiliency	Hazard Risk	7%	0	0	0	0	0	0
	Hazard Mitigation	7%	0	0	0	0	0	0
Network Significance	Traffic Volume	4%	6	2.4	6	2.4	9	3.6
	Facility Importance	10%	8	8	10	10	10	10
Safety	Safety Performance	9%	3	2.7	8	7.2	6	5.4
	Safety Measures	9%	3	2.7	3	2.7	5	4.5
State of Repair	State of Repair	4%	7.5	3	3	1.2	3	1.2
	Maintenance	4%	7	2.8	3	1.2	4	1.6
Support	n/a	8%	8	6.4	10	8	10	8
		100%	Score out of 100:	52.7	Score out of 100:	43.2	Score out of 100:	53.3



Proposed Ranking for NHDOT

Proposed Ranking from TAC Scoring Committee for NHDOT preliminary review

1. Enfield Route 4
2. Claremont Main Street
3. Charlestown Lover's Lane



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