

Wolfeboro 29615

NH Route 28 Improvements

Project Advisory Committee
Meeting #4

August 11, 2022

Agenda

- Welcome and Introductions
- Recap and Update
- Review PAC3 Notes
- Pickering Corner Alternative Considerations:
 - Enhanced Unsignalized
 - Mini-Roundabout
 - Compact Roundabout
- Corridor Preview
- Schedule Update & Next Steps

Welcome and Introductions

- Town of Wolfeboro
 - Dave Ford, PE, Director of Public Works
 - Tavis Austin, Director of Planning and Development
- Stantec
 - Gerard Fortin, PE, Principal in Charge
 - David McNamara, PE, Project Manager
- NHDOT
 - Jason Ayotte, PE, Project Manager
 - Corey Spetelunas, PE, Group Leader
 - Michael Hlushuk, Design Engineer
 - Samantha Fifield, PE, District 3

Project Information & Website

Project:	Wolfeboro 29615	Status: Design
Scope of Work:	Safety and mobility improvements on Route 28 from the Alton/Wolfeboro Town line to Route 109 (Pickering Corner)	
Contact:	Jason M. Ayotte, P.E. Jason.M.Ayotte@dot.nh.gov Telephone: (603) 271-3921	
Available Files:	<ul style="list-style-type: none"> • Location Map • Route 28 Corridor Preliminary Project Planning Report • Project Roll Plan • Public Involvement Plan 	
Project Advisory Committee Meeting #4 August 11, 2022 Wolfeboro Town Hall	Agenda	
Project Advisory Committee Meeting #3 June 30, 2022 Wolfeboro Town Hall	<ul style="list-style-type: none"> • Agenda • Presentation • Minutes 	
Project Advisory Committee Meeting #2 Thursday, July 8, 2021 Wolfeboro Town Hall	<ul style="list-style-type: none"> • Agenda • Presentation • Meeting Minutes 	
Project Advisory Committee Meeting #1 December 5, 2019 Wolfeboro Town Hall	<ul style="list-style-type: none"> • Presentation • Meeting Minutes 	

<https://www.nh.gov/dot/projects/wolfeboro29615/index.htm>

<https://www.wolfeboronh.us/planning-development/links/2024-nhdot-route-28-project-materials>

Town Update

- Water & Sewer Reconstruction
- Tree Inventory

Town of Wolfeboro Tree Inventory and Management Plan | 2022



Submitted by:
Bartlett Tree Experts

Katherine Cummings, Regional Inventory Arborist
ISA Board Certified Master Arborist & Municipal Specialist #NE-7396BM, Massachusetts
Certified Arborist #102013, ISA Tree Risk Assessment Qualified

James VanGyzen, Local Manager
ISA Certified Arborist #NE-6968A



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Questions?



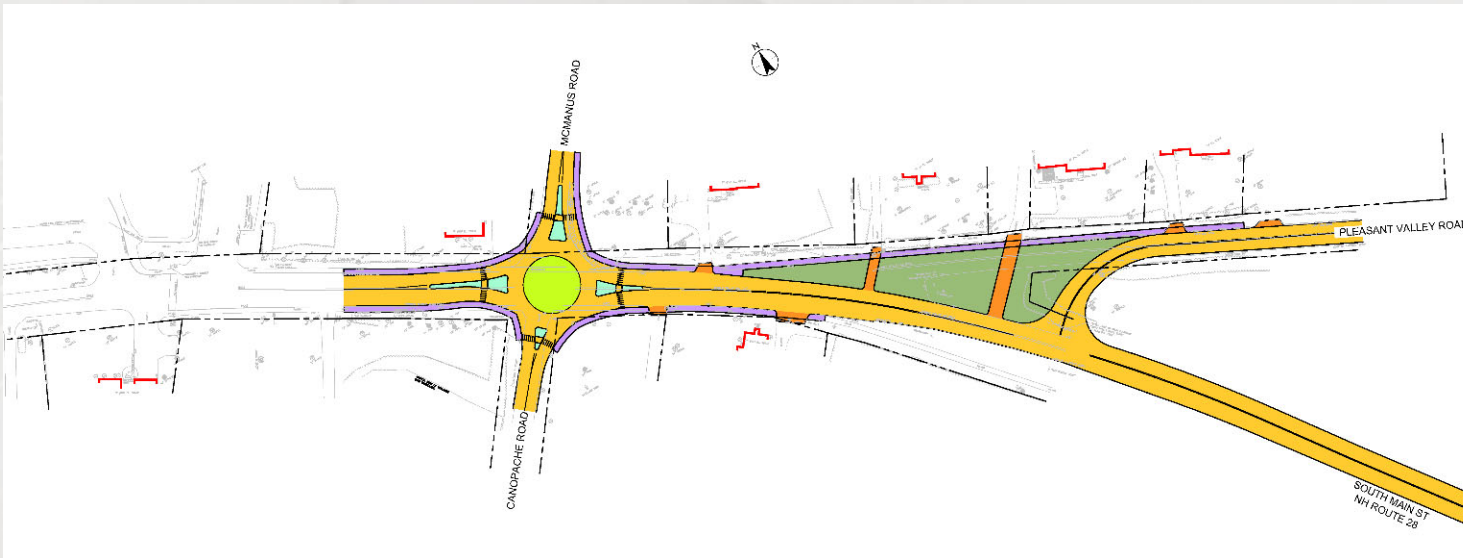
Location: Crescent Lake Motel; Courtesy www.familyvacationcritic.com

Alternative Considerations

Pleasant Valley Road/McManus Road

Discussion:

- T-Intersection w/
Roundabout
- Minimize
Pleasant Valley
changes
- Traffic calming
at roundabout

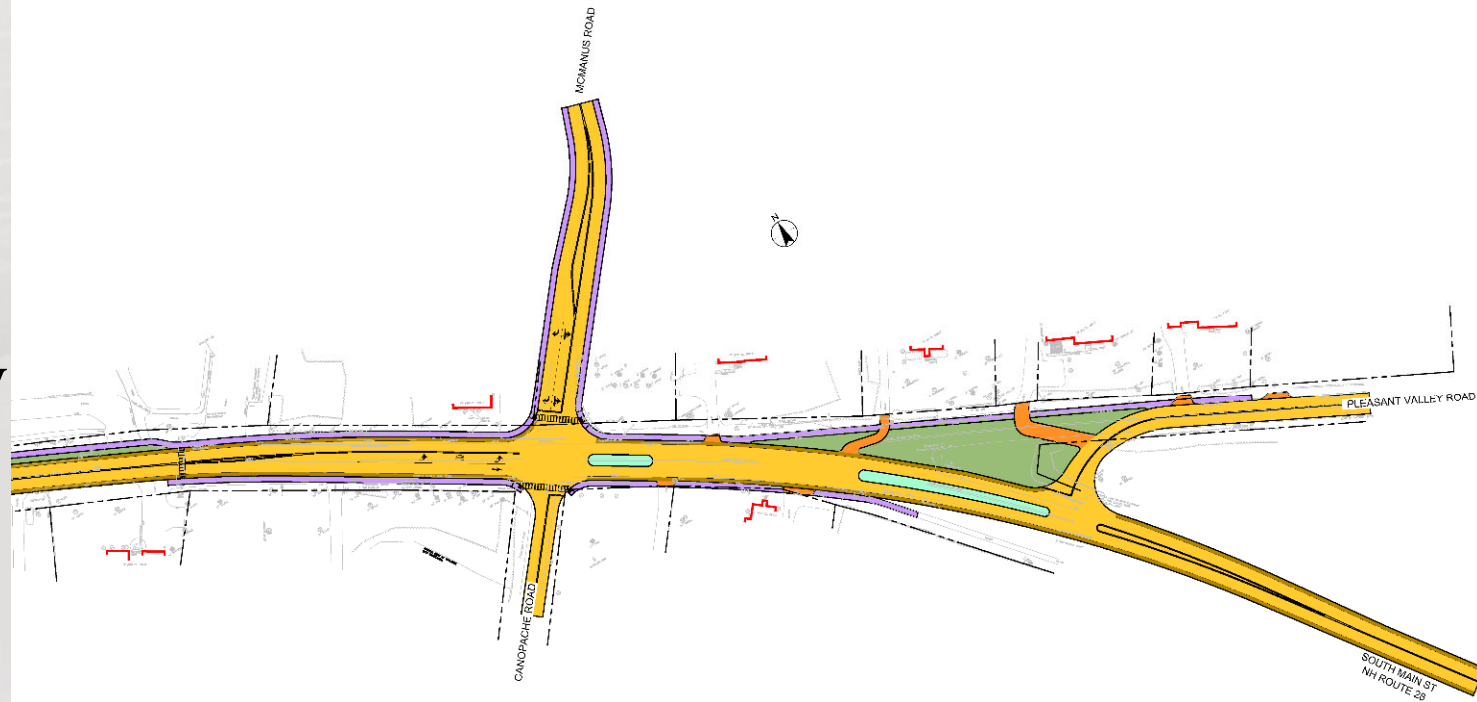


Alternative Considerations

Pleasant Valley Road/McManus Road

Discussion:

- Landscaped island to provide traffic calming/gateway
- Left turn pocket / island
- Drives with raised island



Alternative Considerations

McManus Road

Traffic Analysis

Full Roundabout

- 2025
 - Average – LOS A
 - Peak – LOS A
- 2045
 - Average – LOS B
 - Peak – LOS C/D

Compact Roundabout

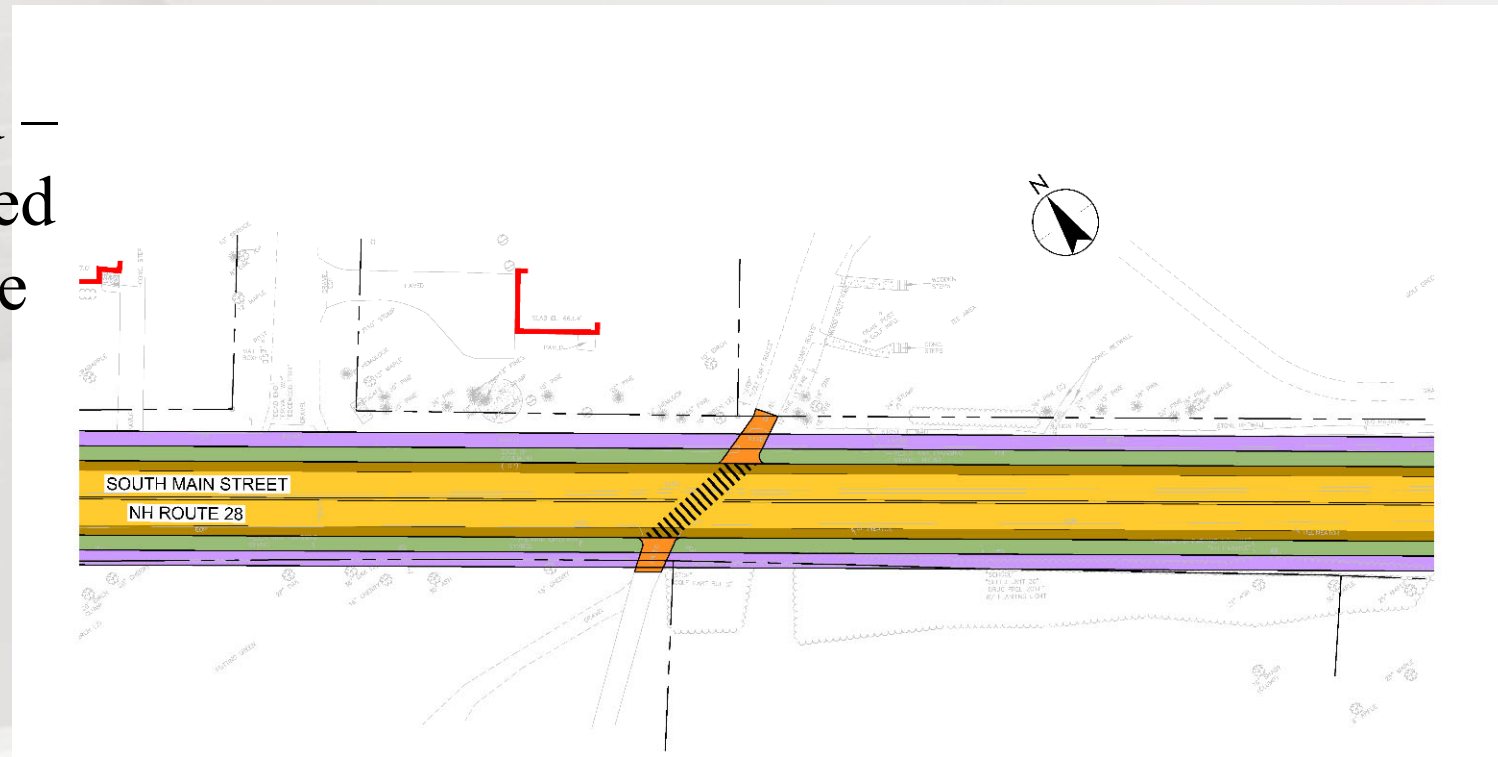
- 2025
 - Average – LOS A/B
 - Peak – LOS C
- 2045
 - Average – LOS B/C
 - Peak – LOS D/E

Alternative Considerations

Kingswood Golf Course

Discussion:

- Tunnel preferred – if privately funded
- Easement may be required – responsibility of golf club
- Driveway appearance
- Carts yield to traffic



• Questions?

Location: NH 28/109 Center Street Looking North

Pickering Corner

Existing Conditions

- 3-Leg intersection (NH 28 and NH 9)
- Congestion and safety concerns
- Gateway to village core and Brewster Academy
- Scenic views
- Poorly defined drive entrances



Pickering Corner

Design Constraints

- Gas stations
- Brewster Academy
- Historic features
- On-Street parking
- Pedestrian access and crossings
- Enhance lighting



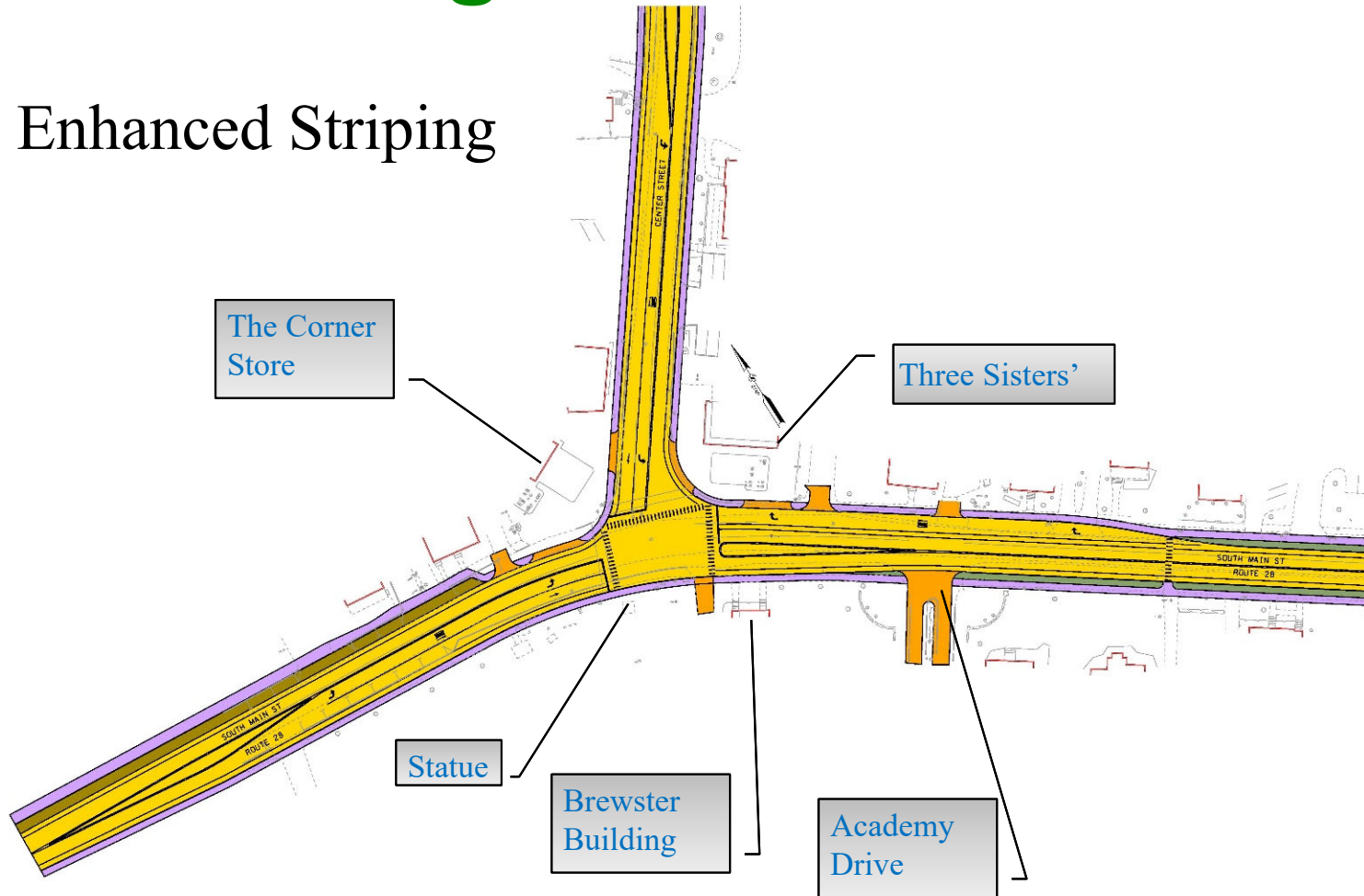
Pickering Corner

Town Study

- Alternatives
 - Enhanced Intersection
 - Signalized Intersection (3 and 4 leg)
 - Mini-Roundabout (3 and 4 leg)
- Recommendations
 - Enhanced Intersection – Preferred
 - Signalized Intersection – Not Preferred
 - Mini-Roundabout – Acceptable (3 leg only, 4 leg is not viable)

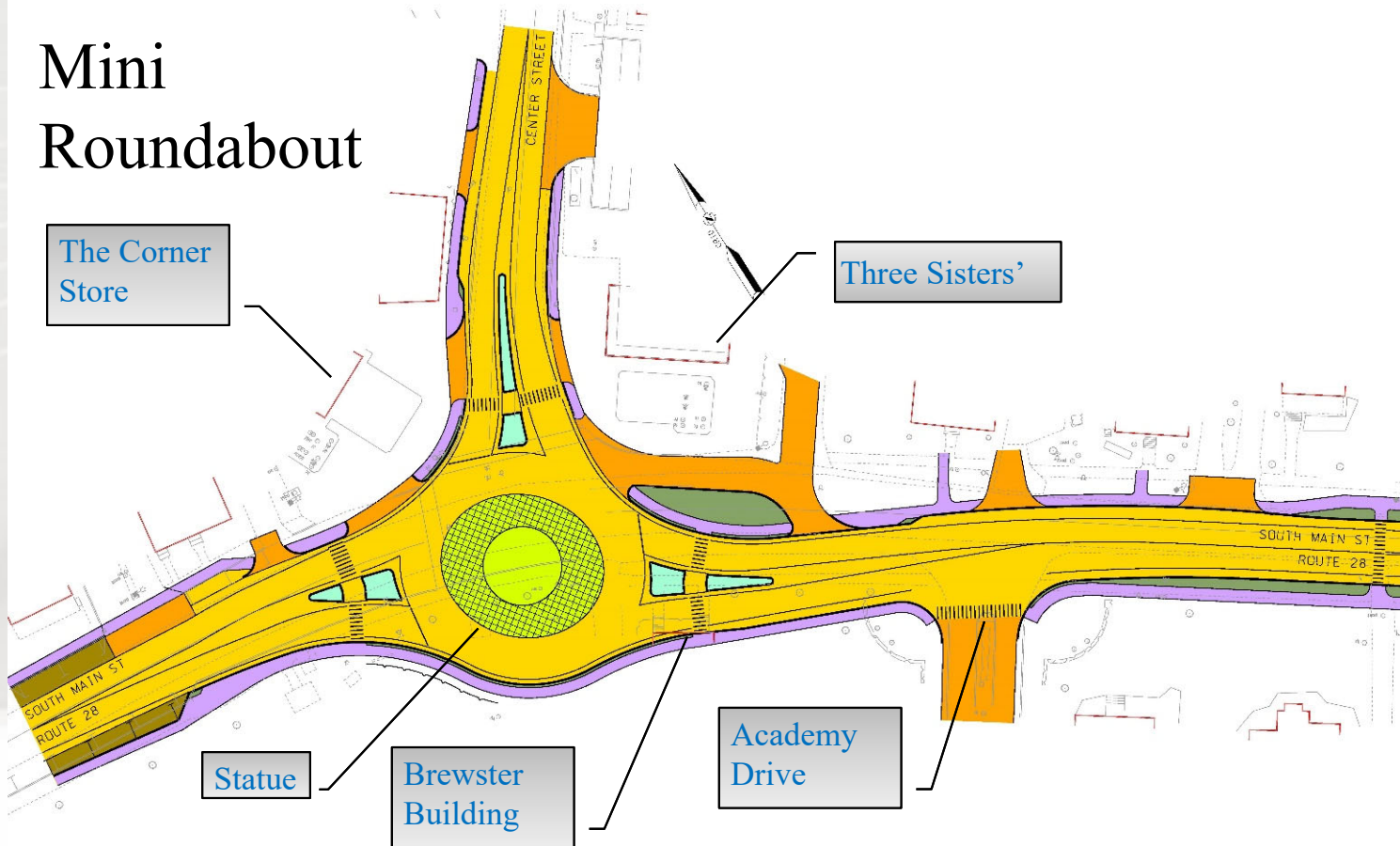
Pickering Corner

Enhanced Striping



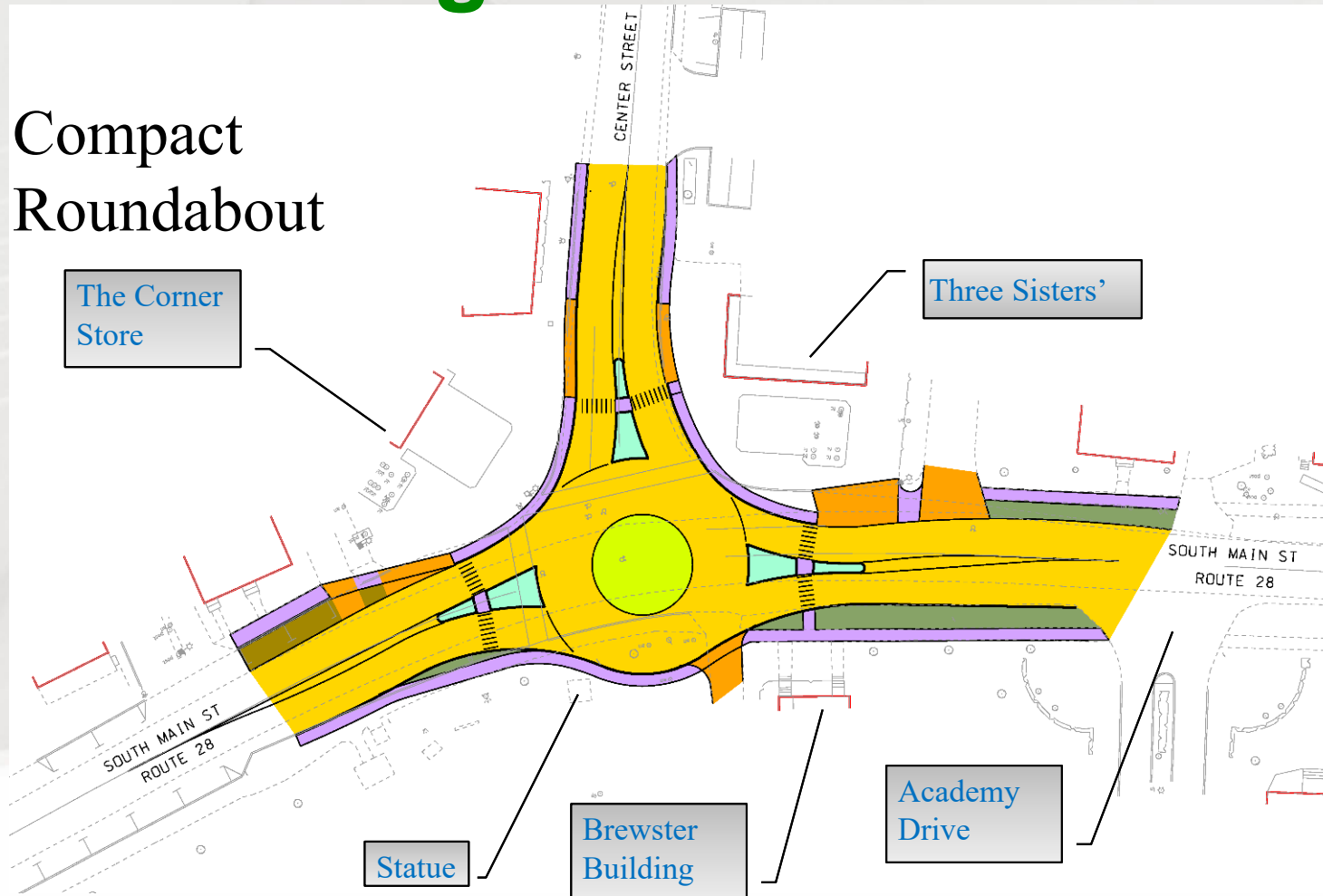
Pickering Corner

Mini Roundabout



Pickering Corner

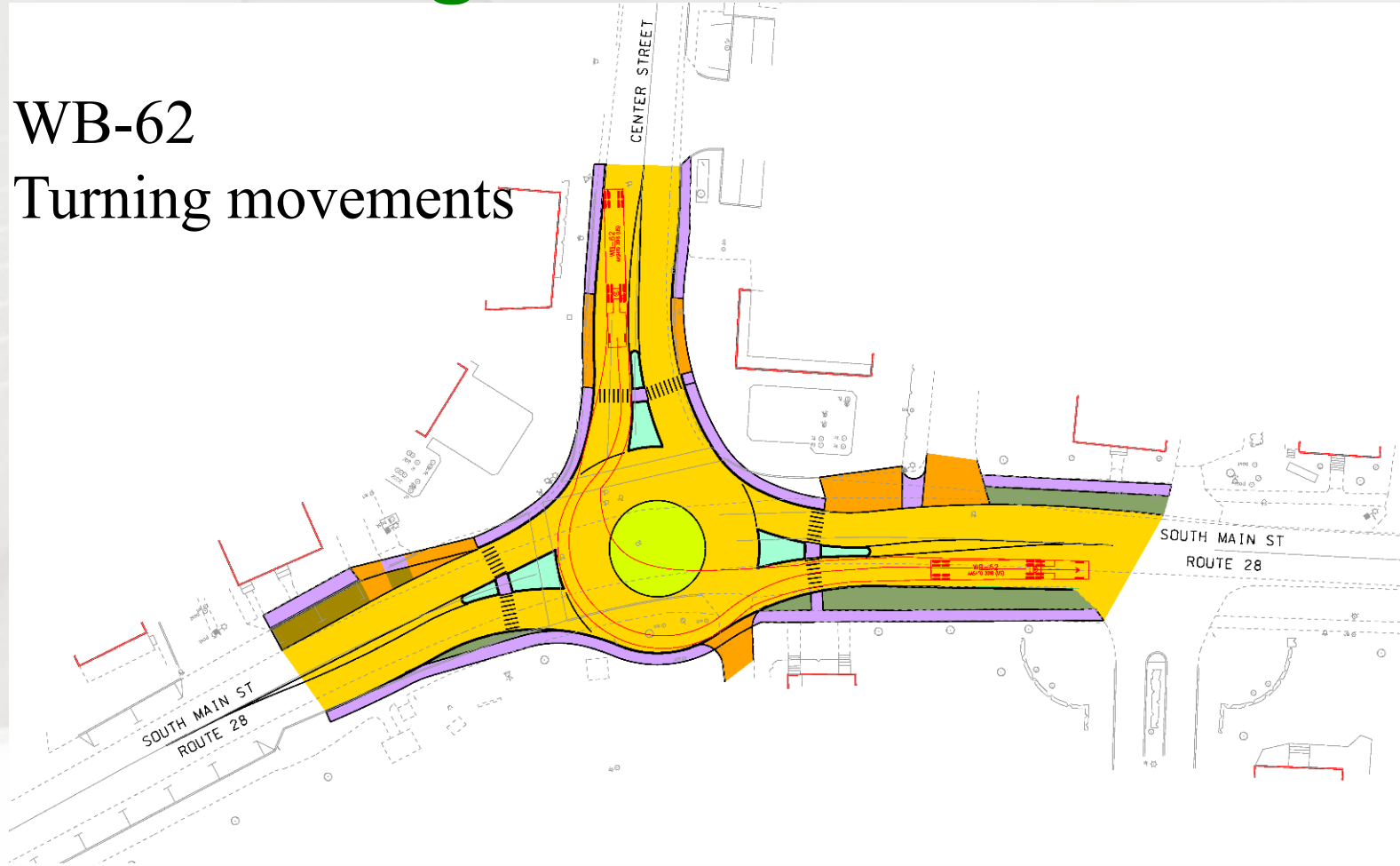
Compact Roundabout



Pickering Corner

WB-62

Turning movements



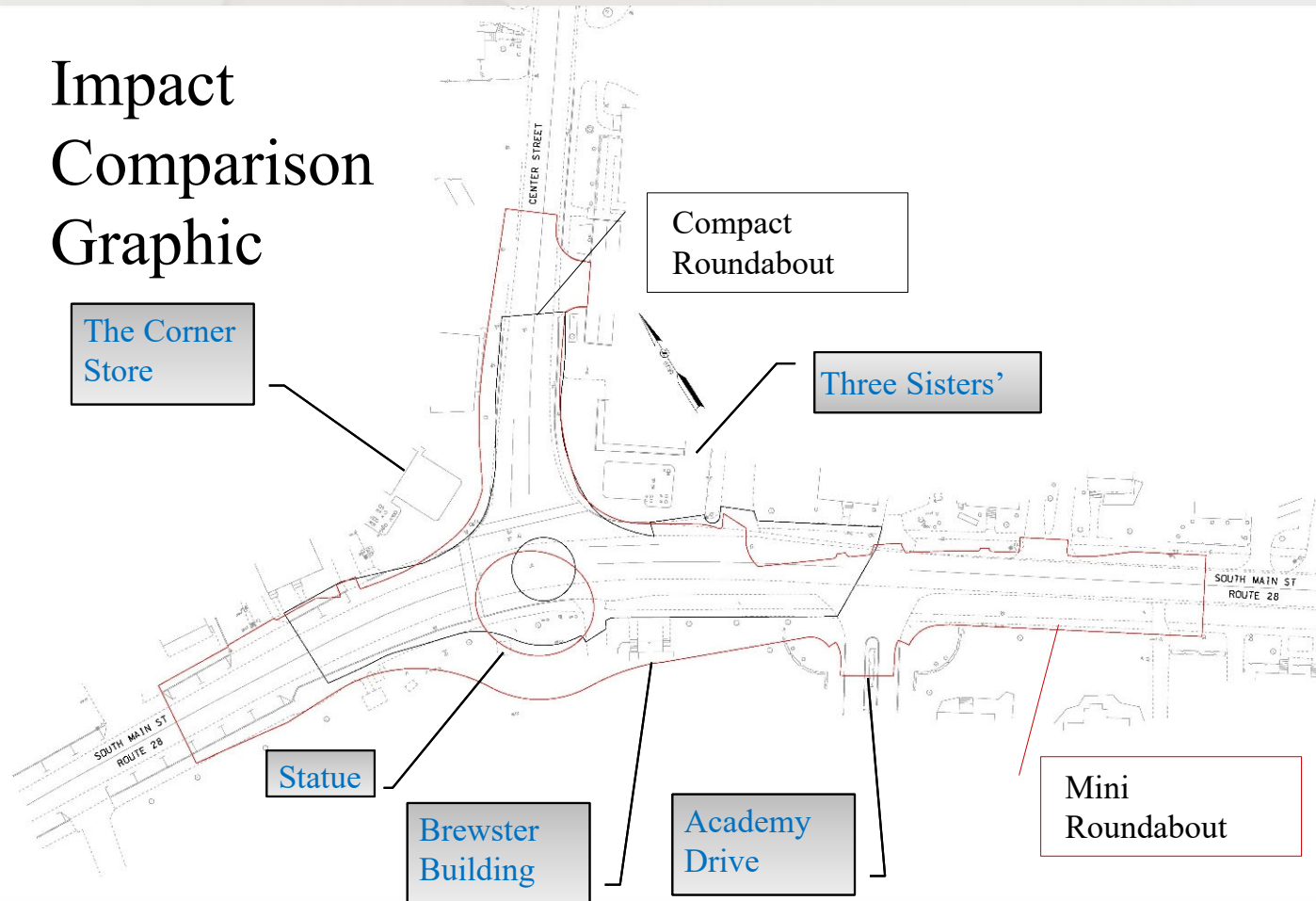
Pickering Corner

Analysis of Alternatives

	2025				2045			
	Average Month		Peak Month		Average Month		Peak Month	
	AM	PM	AM	PM	AM	PM	AM	PM
Center Street Stop	LOS D	LOS E	LOS F (340%)	LOS F (+450%)	LOS F	LOS F	LOS F (+670%)	LOS F (+1150%)
3-Way Stop	LOS C	LOS D	LOS F (+23%)	LOS F (+39%)	LOS E	LOS F	LOS F (+56%)	LOS F (+85%)
Mini Roundabout	LOS B	LOS B	LOS D	LOS D	LOS C	LOS C	LOS F (+8%)	LOS F (+20%)
Compact Roundabout	LOS B	LOS C	LOS E (99%)	LOS F (+10%)	LOS C	LOS D	LOS F (+20%)	LOS F (+40%)

Pickering Corner

Impact Comparison Graphic



Alternatives Summary

	Striping	Mini-Roundabout	Compact Roundabout
Traffic			
ROW Impacts	Maintain back of sidewalks	Significant into Brewster property and features	Encroaches on Brewster land
Historic Impacts	None – Maintain existing footprint	Impact to statue and building	Minimal
Aesthetics	Minimal change – remove some grass panel	Center island & creates small pockets on approaches	Create small pockets – no landscaped center island
Drive Access	No change	Provides similar access – impacts roundabout	Provides access, new configuration
Ped Access	Creates 3 cross-walks, depends on stop control	3 crossings – single lane with refuge	3 crossings – single lane with refuge
Parking	Lose 6 spaces	No change	No change

Next PAC Meeting

September 2022

- Typical Sections - Corridor
 - Roadway/Sidewalk Configurations
- Stormwater

October/November

- Public Informational Meeting

Schedule and Next Steps

	PUBLIC INVOLVEMENT	PROJECT DEVELOPMENT
2022	Project Advisory Committee Meetings Public Informational Meetings Neighborhood Stakeholder Meeting	Evaluate Environmental Impacts (wetlands, water quality, etc.) Present and Receive Feedback on Design Alternatives
2023	Public Informational Meeting Public Hearing (Summer)	Publish Environmental Study Non-participating Funding
2024-2026	PAC & Public Official Meetings (Project Updates, As Needed)	Final Design Right-of-Way Acquisitions / Easements Environmental Permitting
2026		Anticipated Start of Construction

Contact Information

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–Jason.M.Ayotte@dot.nh.gov

• Questions?

Location: NH 28/109 Center Street Looking North