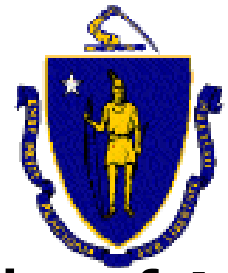
dcr MASSACHUSETTS DEPARTMENT OF CONSERVATION AND RECREATION

Hammond Pond Parkway Reconstruction

75% Public Meeting



Commonwealth of Massachusetts

Governor
Charles D. Baker

Lieutenant Governor
Karyn E. Polito

Energy and Environmental Secretary
Kathleen A. Theoharides

Department of Conservation and Recreation Acting Commissioner
Stephanie Cooper

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Mission Statement

To protect, promote and enhance our commonwealth of natural, cultural and recreational resources for the well-being of all.

Meeting Logistics

- You will have the opportunity to submit comments over the course of the next three weeks at:
  - DCR Public Comments https://www.mass.gov/forms/dcr-public-comments
- Two ways to ask questions during the meeting
  - Use chat feature
  - Raise your hand using the Teams function, and you will be given permissions to unmute and speak.
- *Please note that this public information meeting will be recorded; the recording will be a public record.*

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Project Team

Department of Conservation and Recreation

Project Proponent – Responsible for design process & construction funding

dcr Massachusetts

BSC Group

Design Consultant – Roadway design, landscape architecture and permitting

BSC GROUP
Transportation ▪ Energy ▪ Land Development

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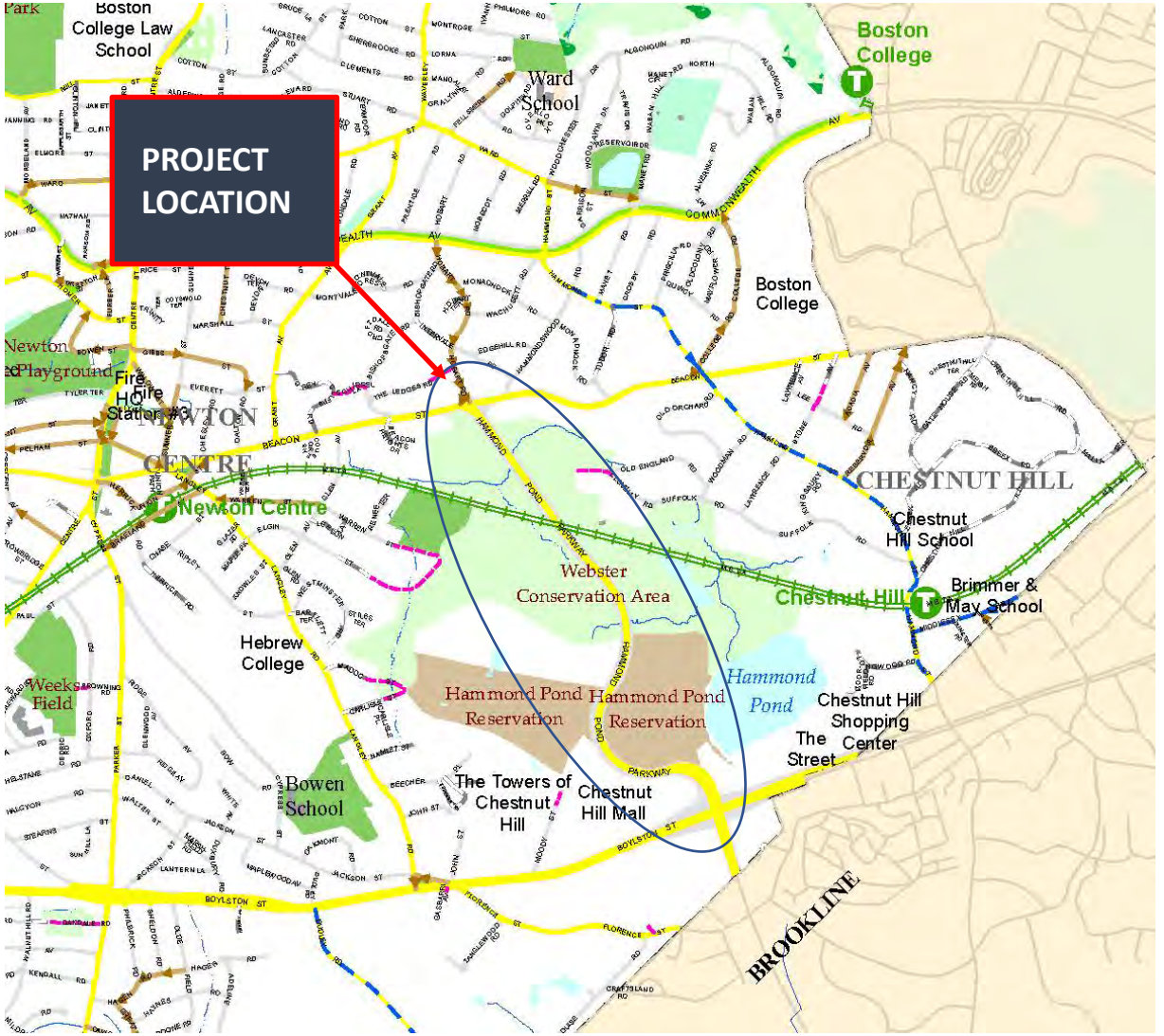
Project Location



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Existing Parkway

- Existing roadway was built in 1934
- The roadway consists of two lanes in each direction.
- Overall length is approximately one mile
- Roadway crosses over D Branch of the MBTA's Green Line on a single span bridge
- Three signalized intersections within project limits
- Coordination with MassDOT required for modifications to bridge and minor improvements at Route 9
- Limited sidewalks and bicycle accommodation

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Project Goals

- Redesign Hammond Pond Parkway as a “complete street” gem in the DCR parkway system
- Provide safe bicycle and pedestrian accommodation along parkway via a twelve-foot wide shared use path
- Provide two travel lanes from Beacon Street to The Shoppes at Chestnut Hill driveway.
- Maintain existing travel lane configuration from The Shoppes at Chestnut Hill driveway to Route 9
- Provide improved access to adjacent conservation areas
- Construct landscaped buffer between roadway and shared use path with extensive plantings

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Comments made at 25% Public Meeting

Comment	Resolution
• Provide two left turn lanes from parkway onto Beacon Street westbound	• Will maintain two left turn lanes and added two receiving lanes on Beacon Street westbound
• Provide sidewalk on east side of parkway	• Added four-foot-wide walking path on east side from The Shops driveway north to Beacon Street
• Provide a wider landscape strip	• Have increased width of landscaping strip from ten feet to fifteen feet
• Provide pedestrian crossing of parkway at The Shops driveway	• Have added pedestrian crossing at The Shops driveway
• Provide flashing beacon at mid-block crossing of parkway	• Have added Rectangular Rapid Flashing Beacon
• Provide better sight lines at 300 Hammond Pond Parkway driveway	• Have provided good sight lines

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Similar Success Stories – Greenough Boulevard

Before

After

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Similar Success Stories – Nonantum Road

Before

After

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Similar Success Stories – Truman Parkway

Before

After

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Getting to Today

- **2019**
  - Notice to Proceed with design
  - Survey
  - Traffic Counts
  - City of Newton Coordination Meetings (2)
  - Traffic Report
- **2020**
  - Lighting coordination meeting with utility company
  - 25% design plans and estimate completed
- **2021**
  - 25% Public Meeting held January 21st
  - Bridge plans submitted to MassDOT and MBTA, currently under review
  - **75% Public Meeting**

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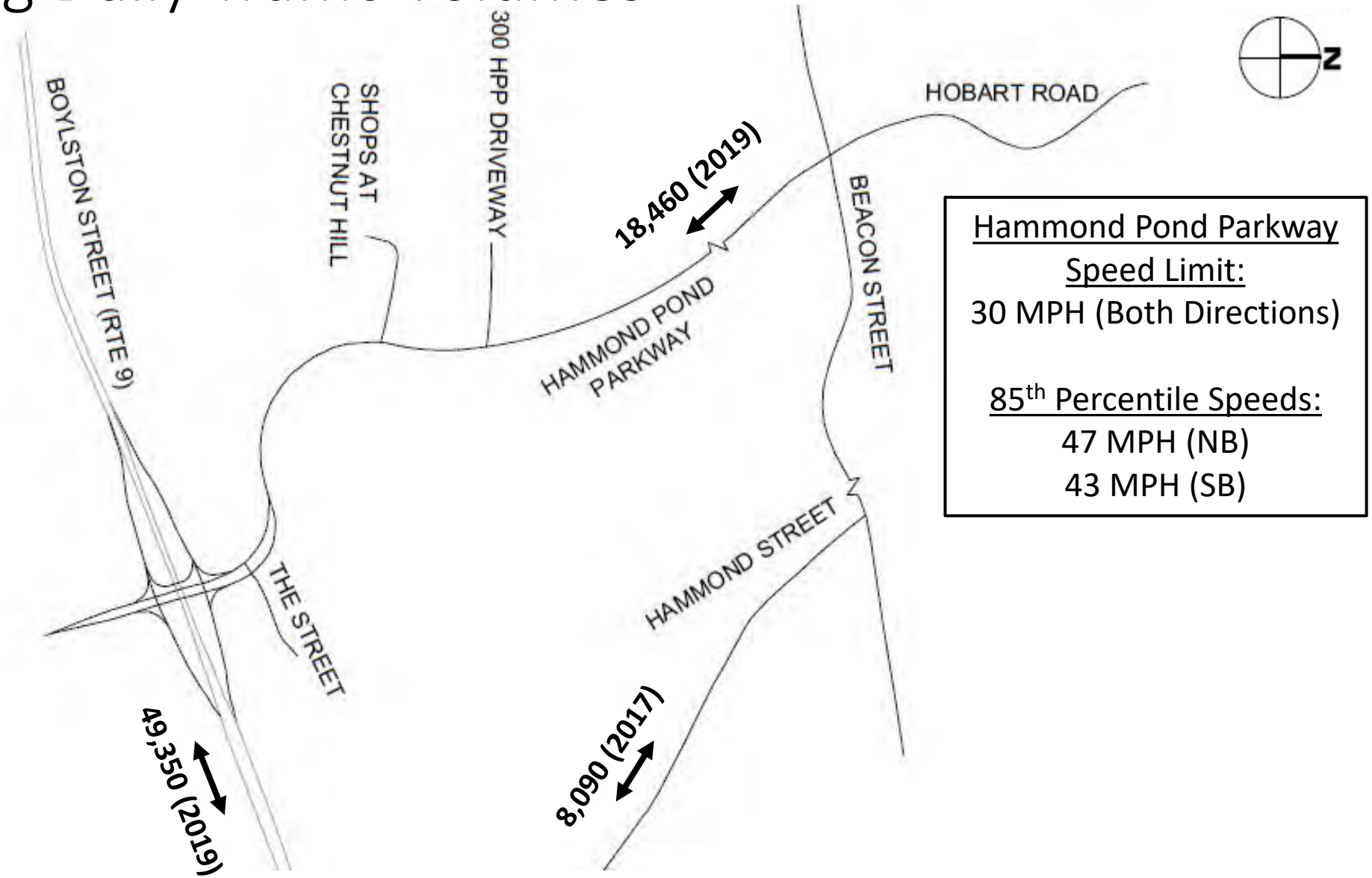
Existing Daily Traffic Volumes



Hammond Pond Parkway
Speed Limit:
30 MPH (Both Directions)

85th Percentile Speeds:
47 MPH (NB)
43 MPH (SB)

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Average Daily & Peak Hour Data Summary

Hammond Pond Parkway, south of Beacon Street

Weekday Daily Volume	**18,460 veh/day**
Weekday Morning Peak Hour	1,550 (1,050 NB/500 SB) veh/hr
Weekday Evening Peak Hour	1,490 (730 NB/760 SB) veh/hr
Saturday Daily Volume	**14,840 veh/day**
Saturday Midday Peak Hour	1,350 (700 NB/650 SB) veh/hr

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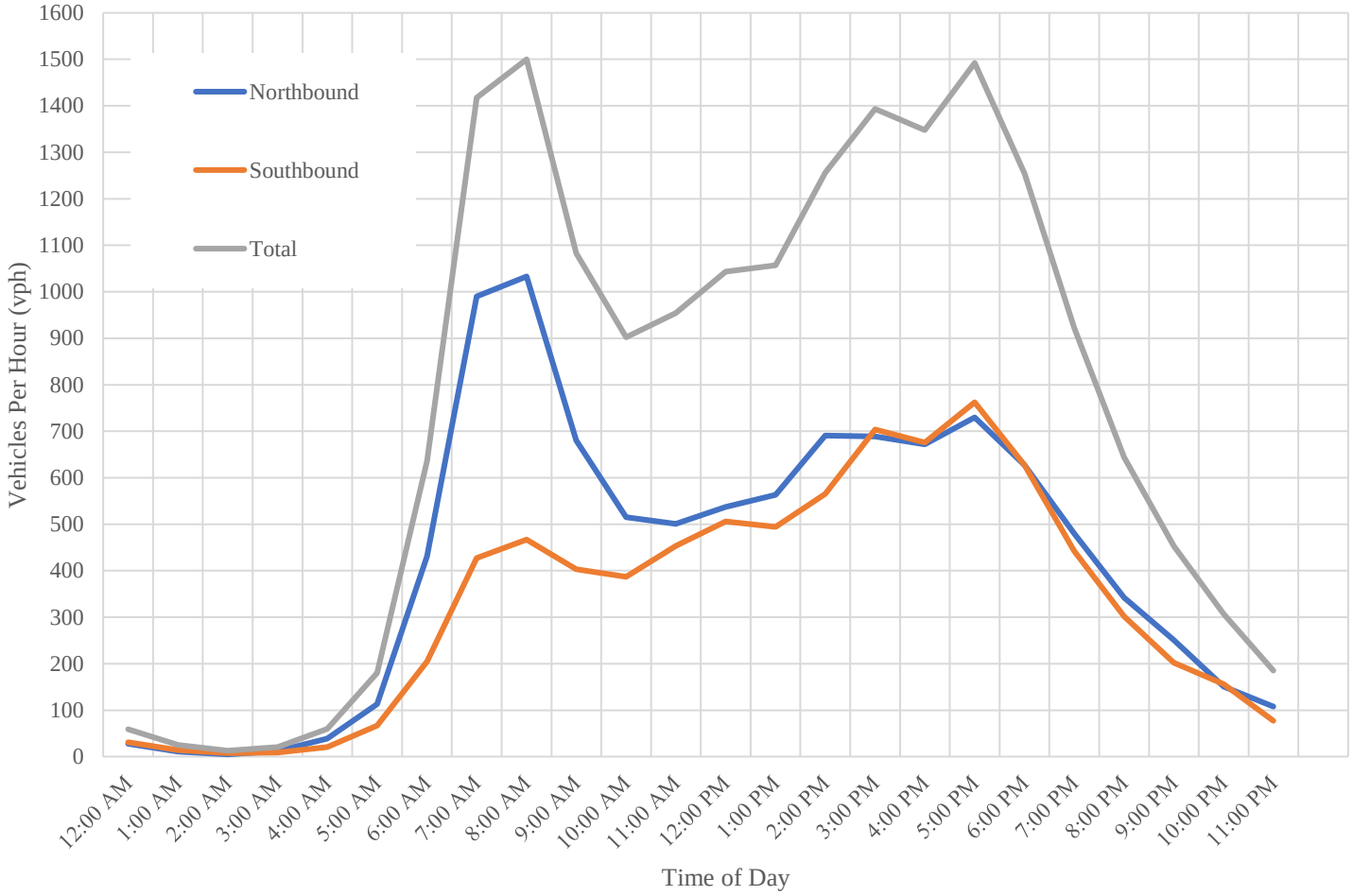
Hourly Traffic Volumes – Hammond Pond Parkway



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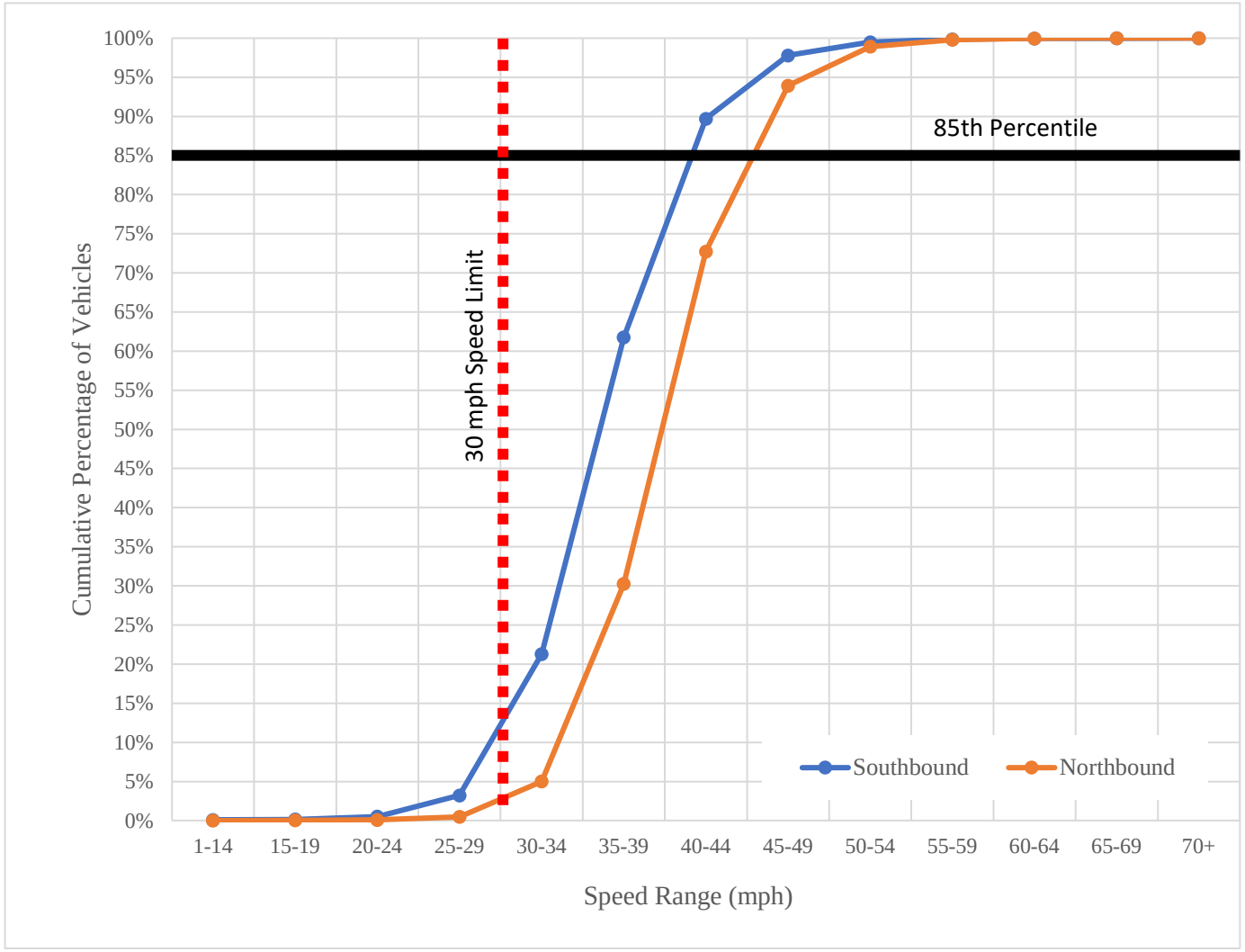
Vehicle Speed Distribution – Hammond Pond Parkway



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Proposed Improvements – 1 of 5, south to north

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Proposed Improvements – 2 of 5, south to north

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Proposed Improvements – 3 of 5, south to north

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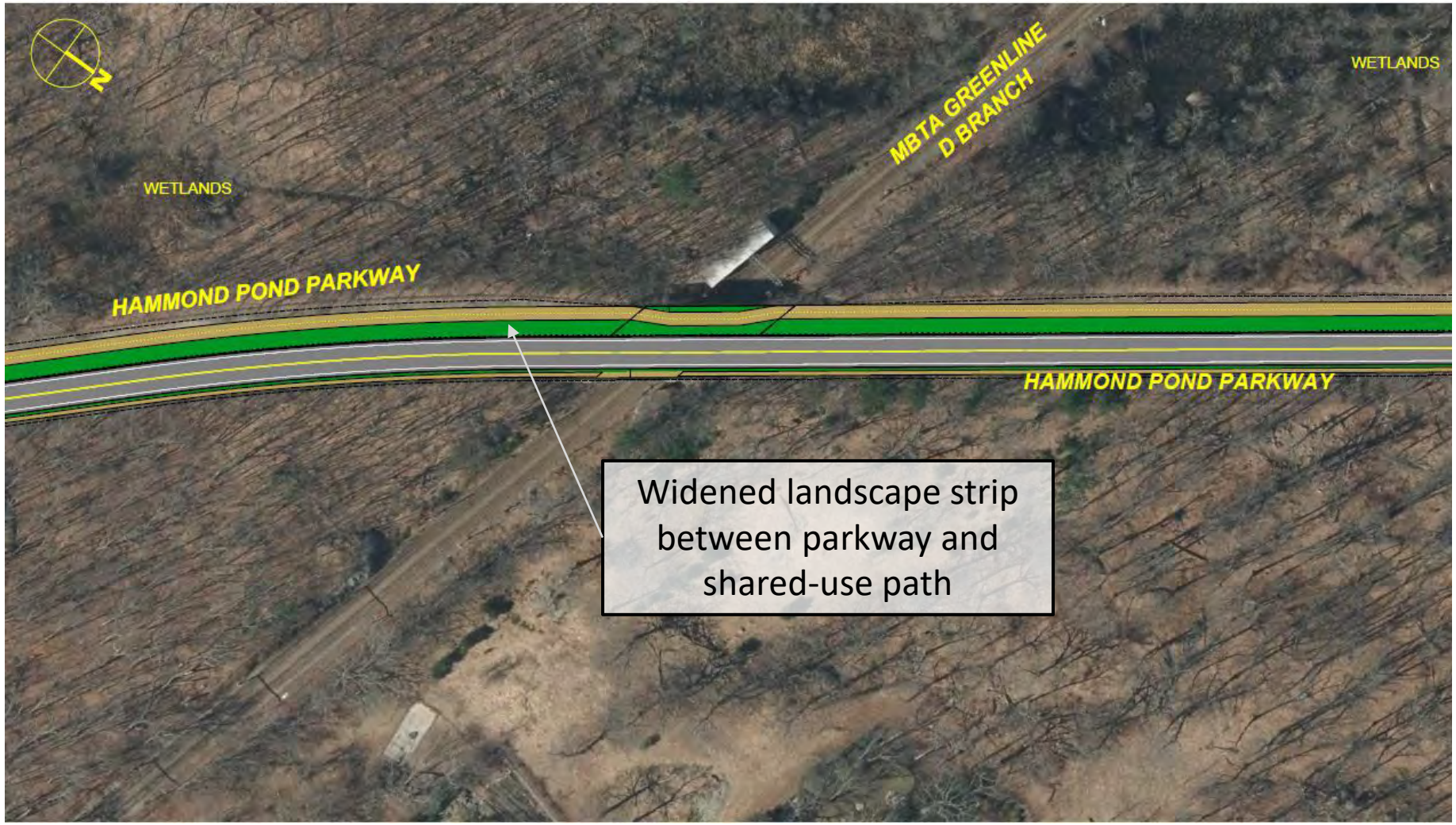
Proposed Improvements – 4 of 5, south to north



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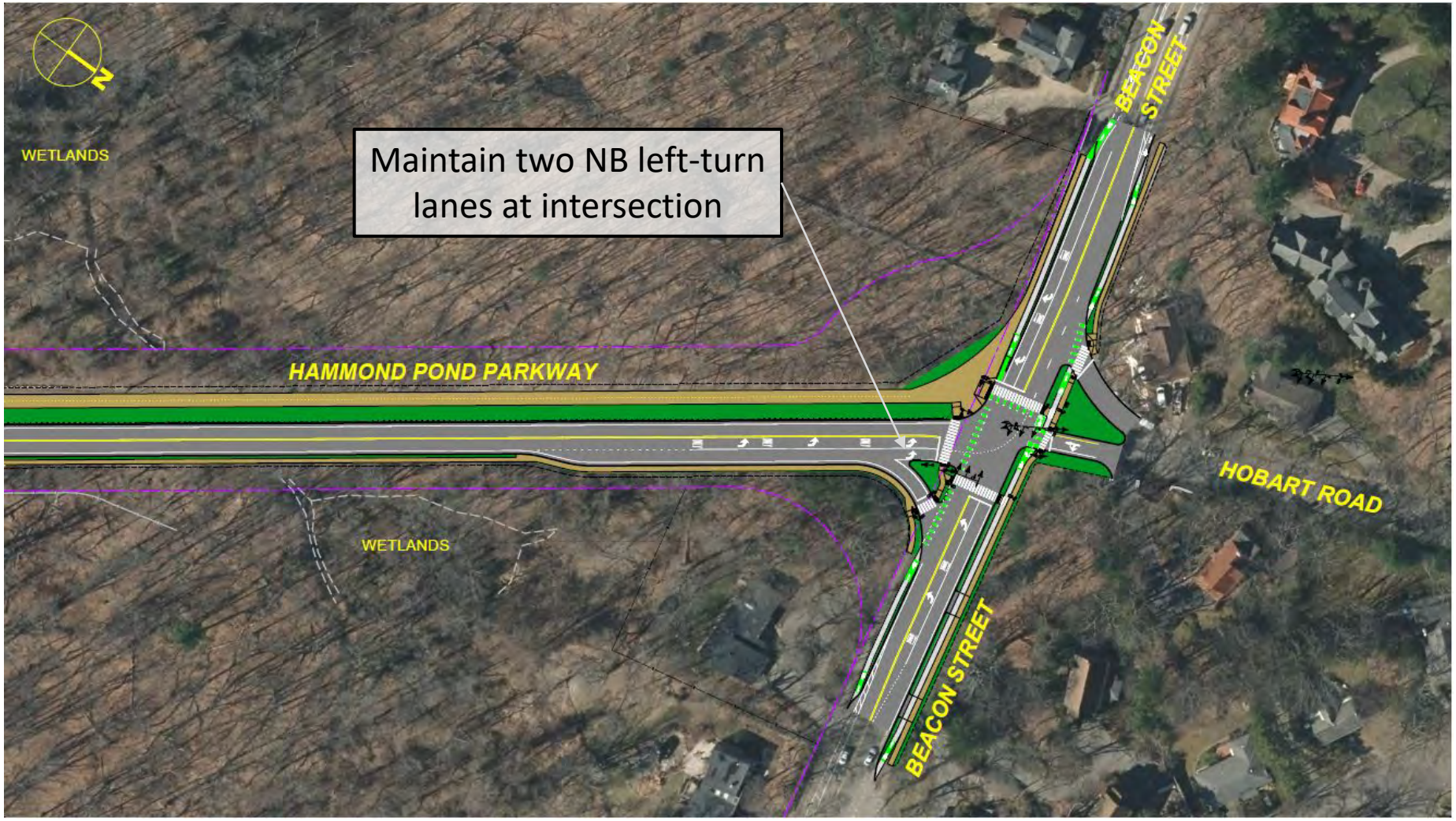
Proposed Improvements – 5 of 5, south to north



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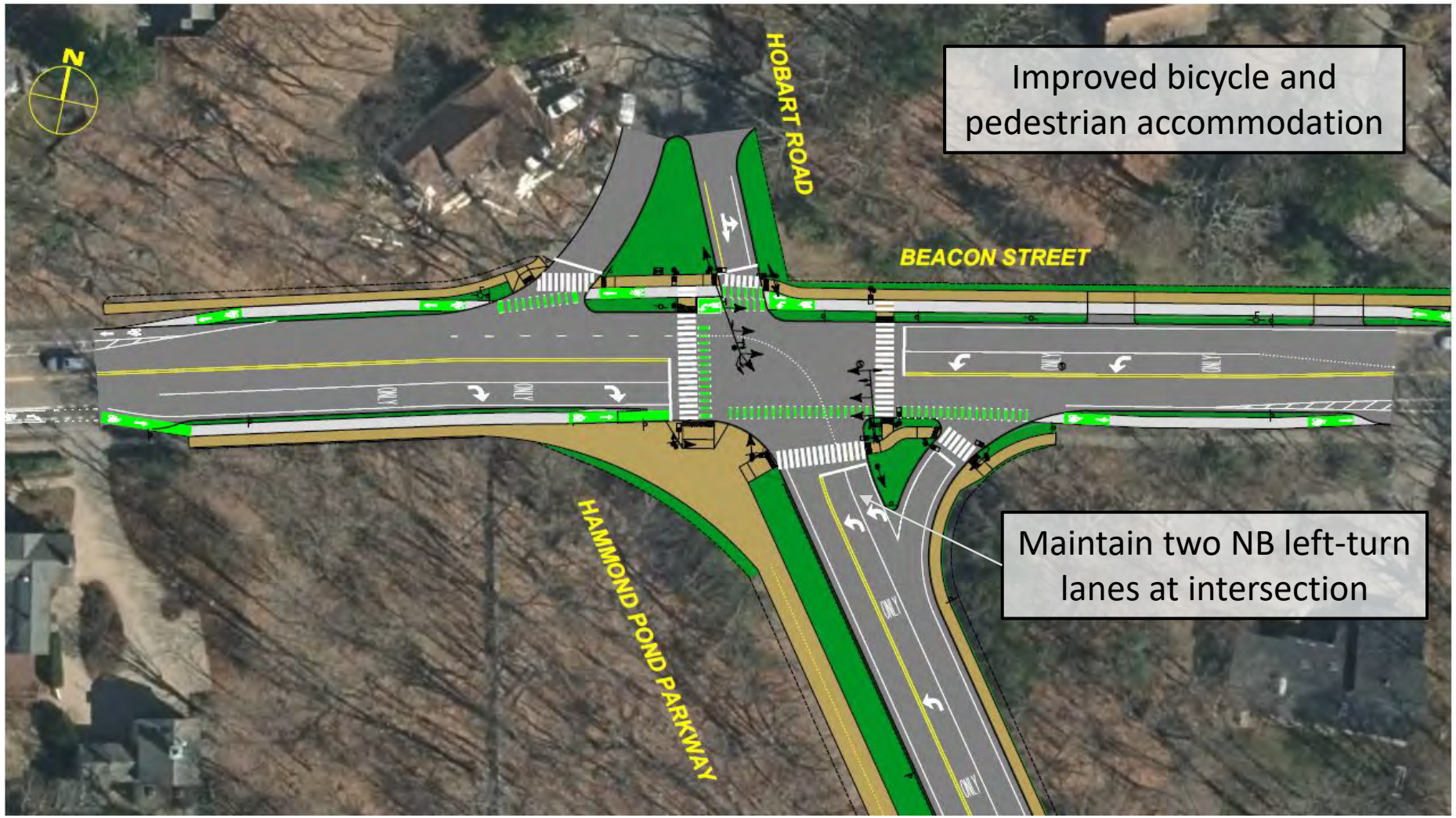
Beacon Street at Hammond Pond Parkway



Level of Service Tiers

	Average Delay (seconds/vehicle)	
Level of Service	Unsignalized	Signalized
A	0.0 - 10.0	0.0 - 10.0
B	>10.0 – 15.0	>10.0 – 20.0
C	>15.0 – 25.0	>20.0 – 35.0
D	>25.0 – 35.0	>35.0 – 55.0
E	>35.0 – 50.0	>55.0 – 80.0
F	>50.0	>80.0

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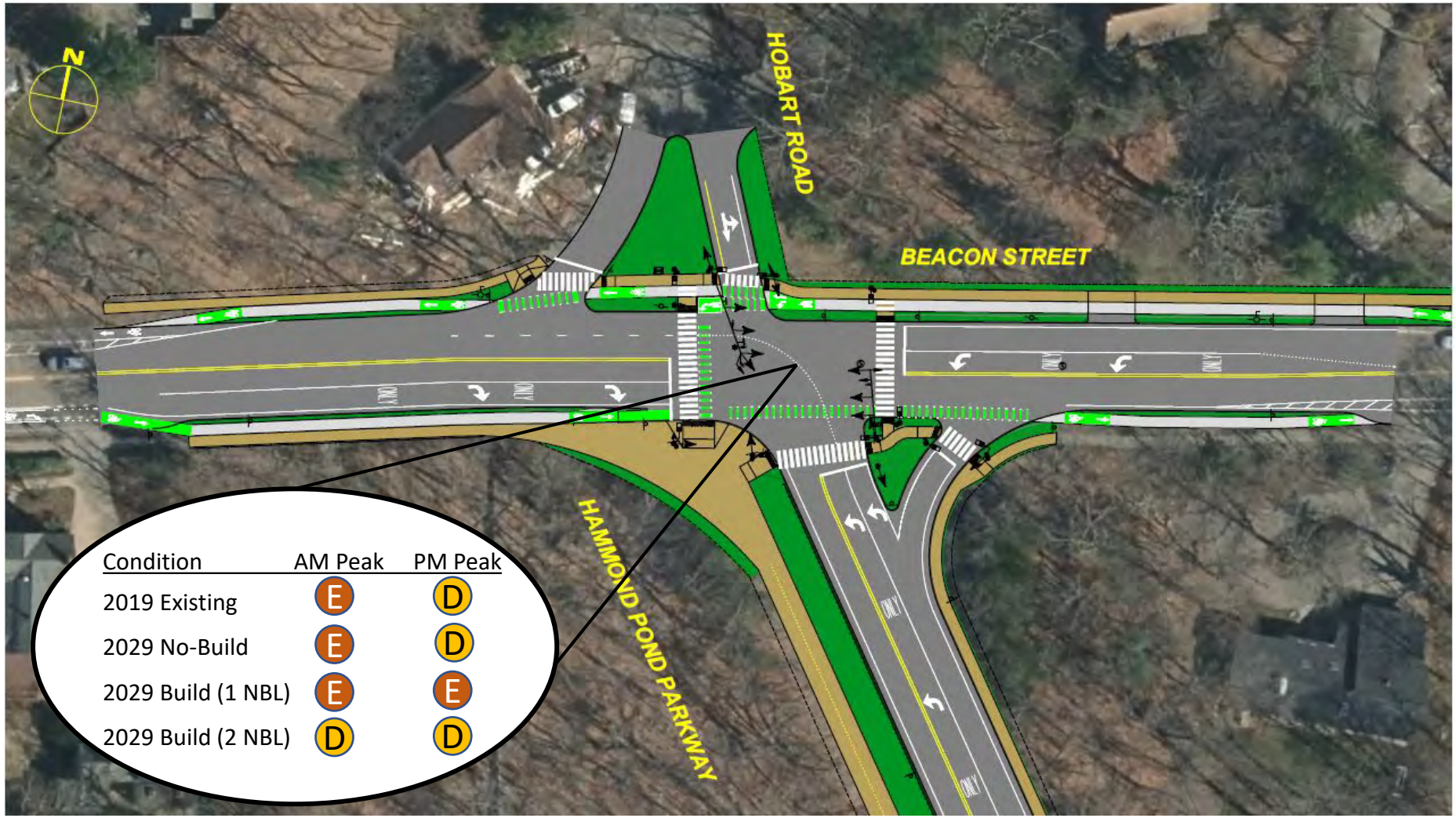
Beacon Street at Hammond Pond Parkway – LOS Summary



Condition	AM Peak	PM Peak
2019 Existing	E	D
2029 No-Build	E	D
2029 Build (1 NBL)	E	E
2029 Build (2 NBL)	D	D

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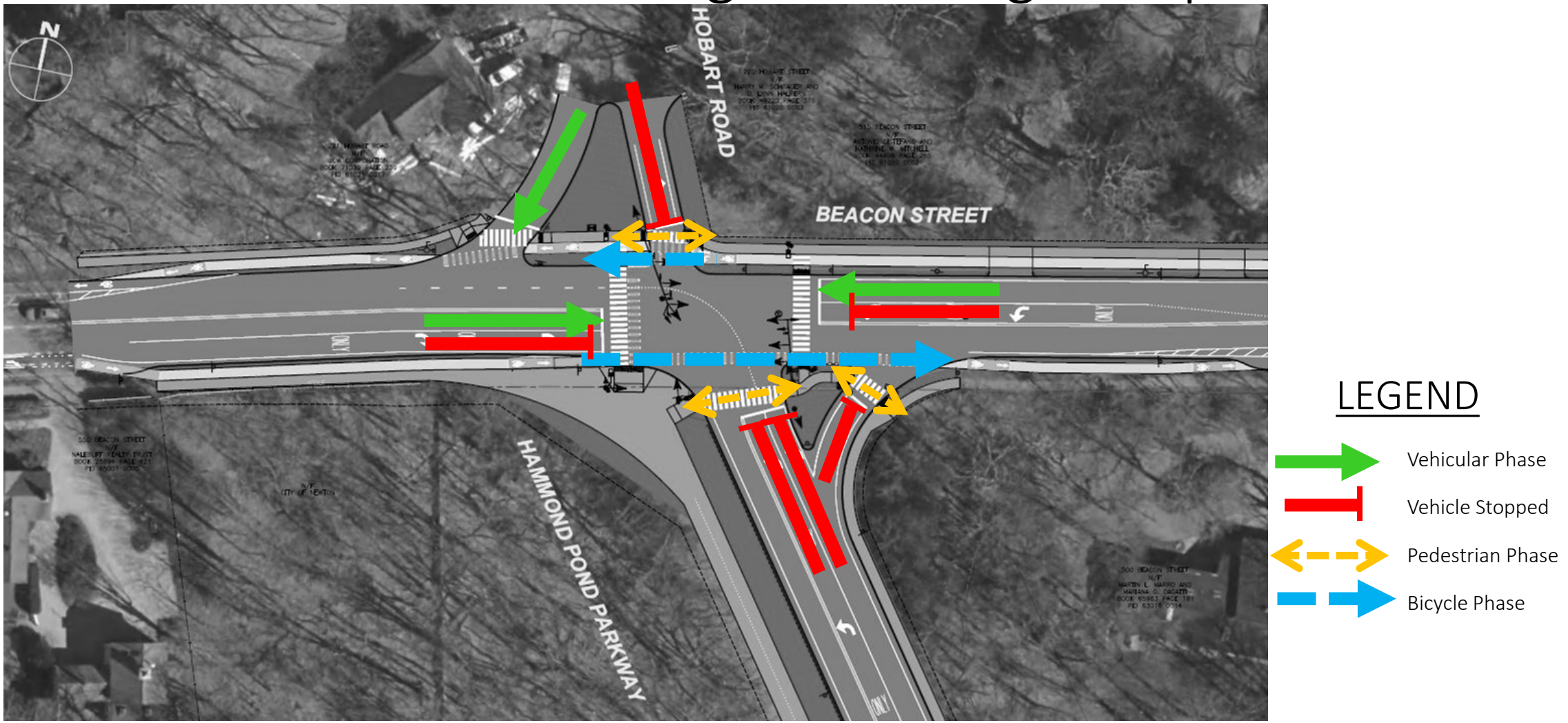
HPP at Beacon Street Traffic Signal Phasing – Sequence 1



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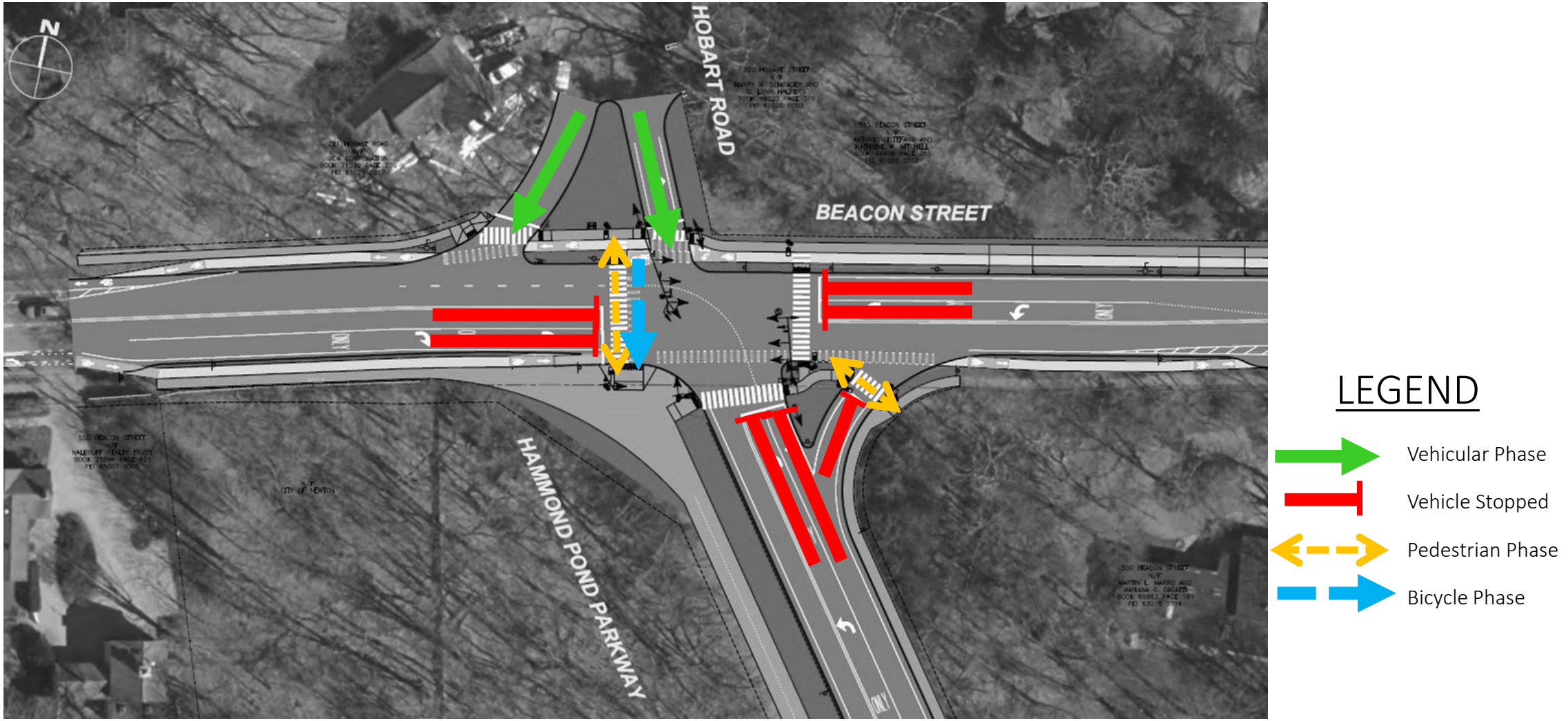
HPP at Beacon Street Traffic Signal Phasing – Sequence 2



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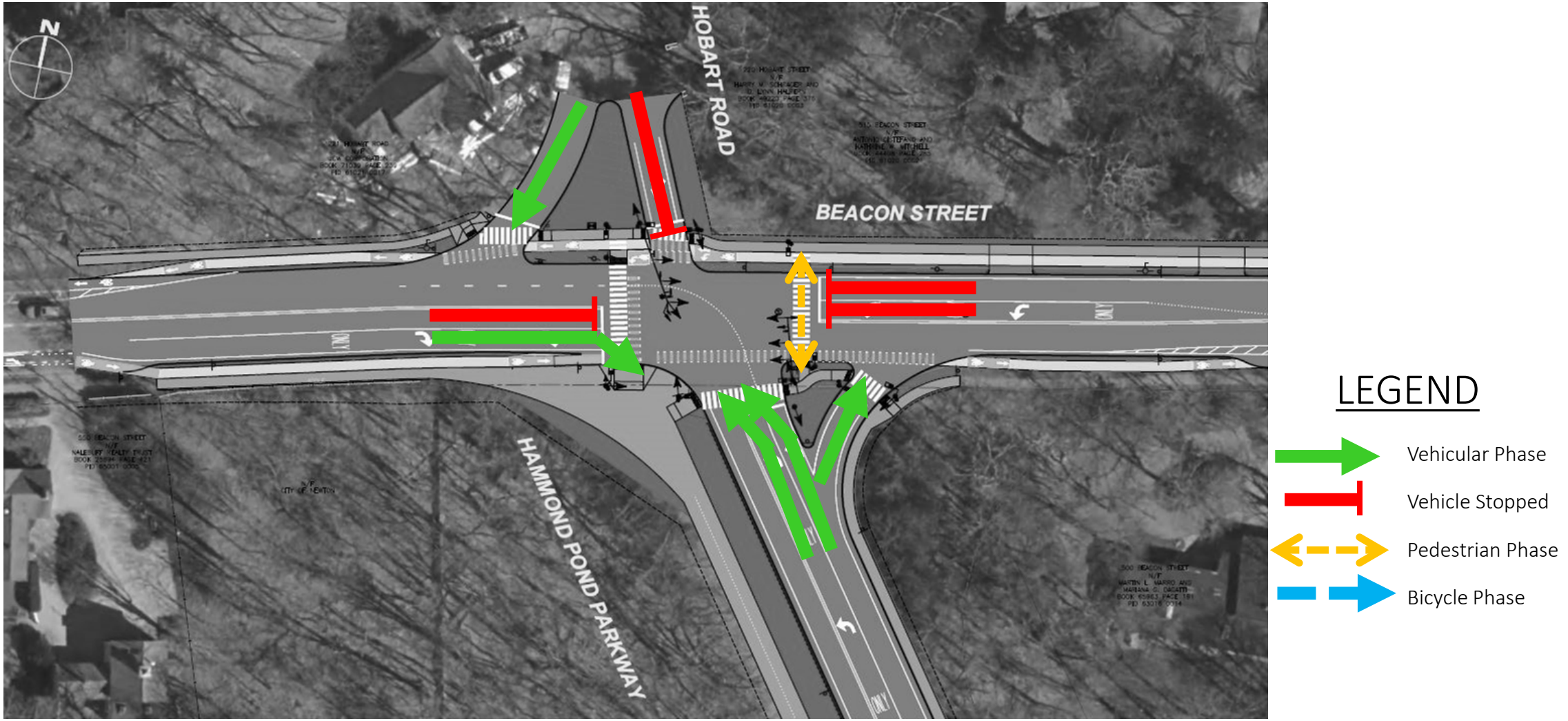
HPP at Beacon Street Traffic Signal Phasing – Sequence 3



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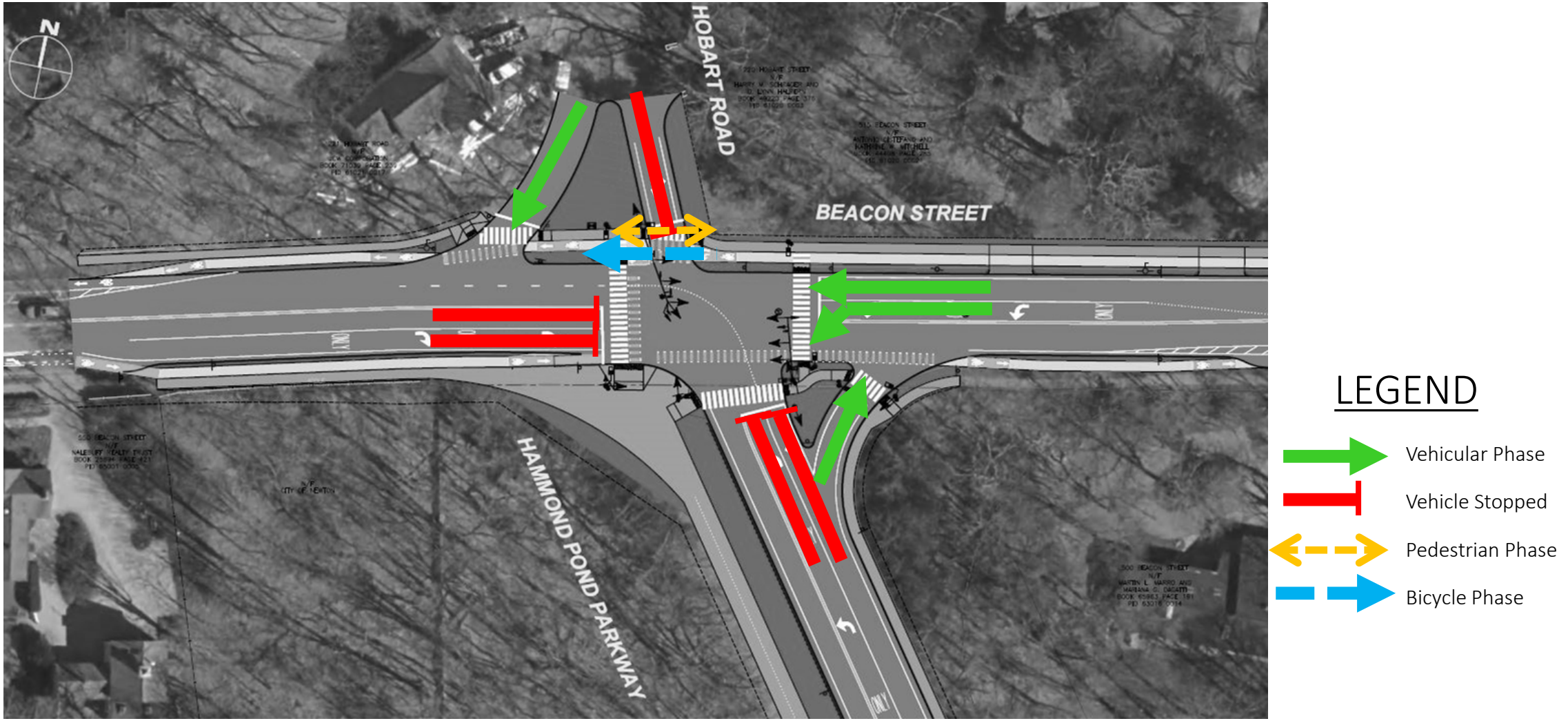
HPP at Beacon Street Traffic Signal Phasing – Sequence 4



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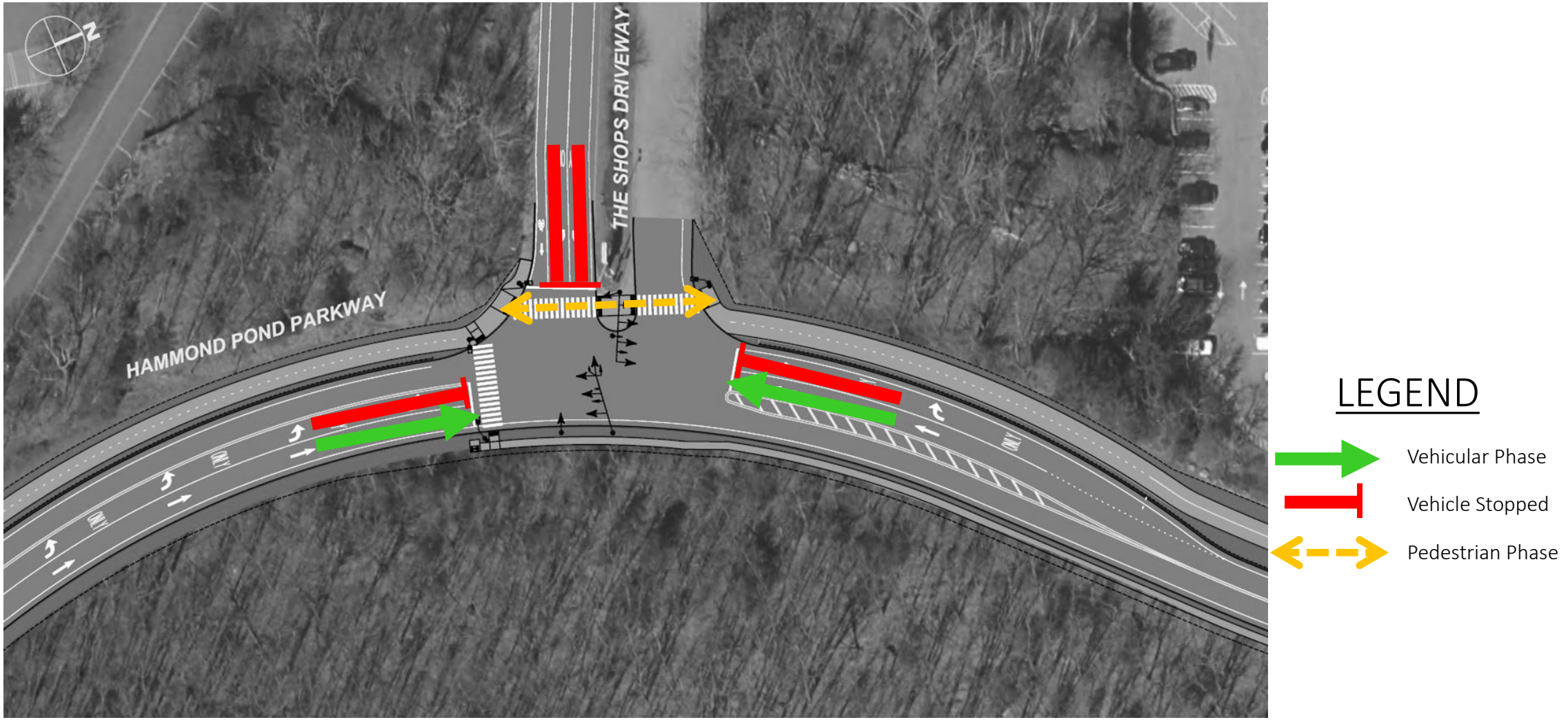
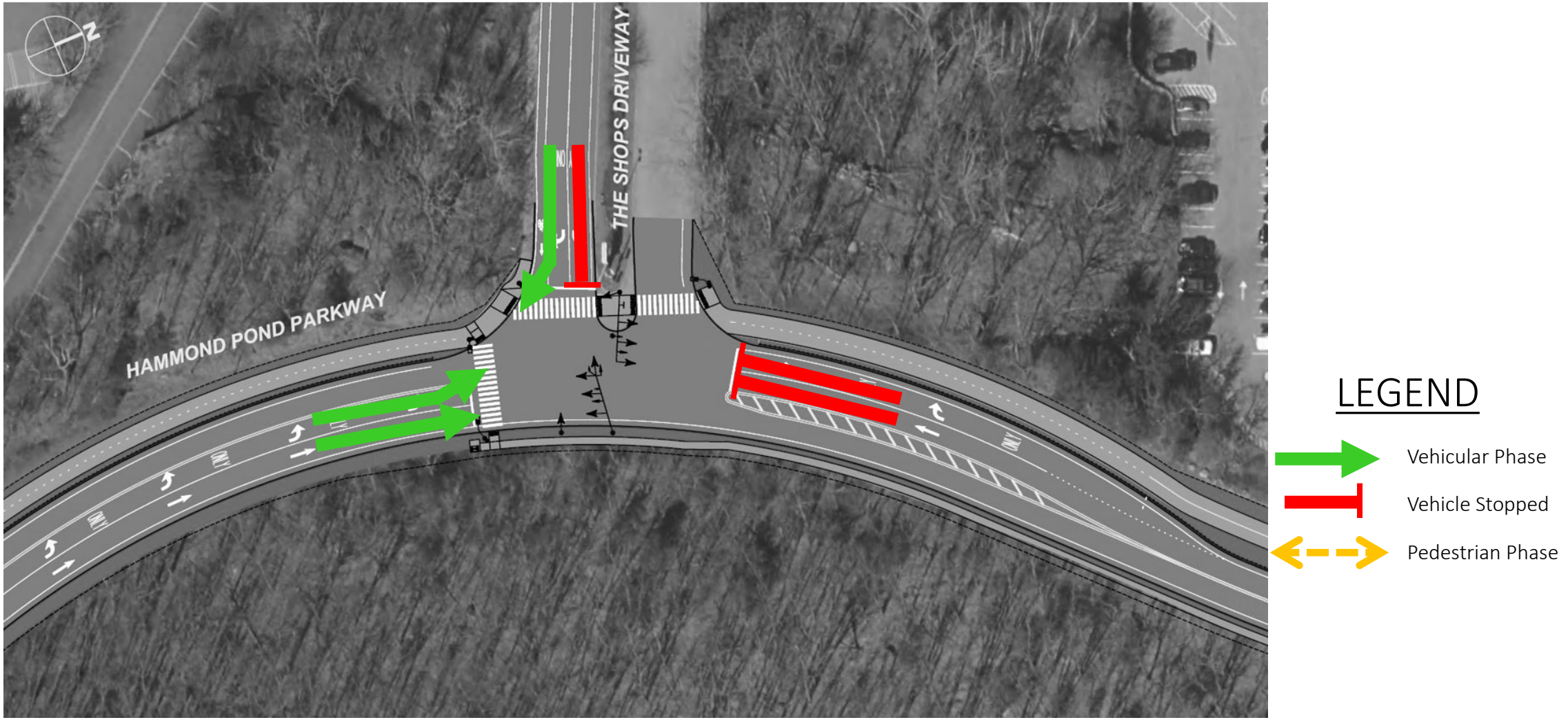
HPP at The Shops Traffic Signal Phasing – Sequence 1



dcr MASSACHUSETTS DEPARTMENT OF CONSERVATION AND RECREATION

HPP at The Shops Traffic Signal Phasing – Sequence 2



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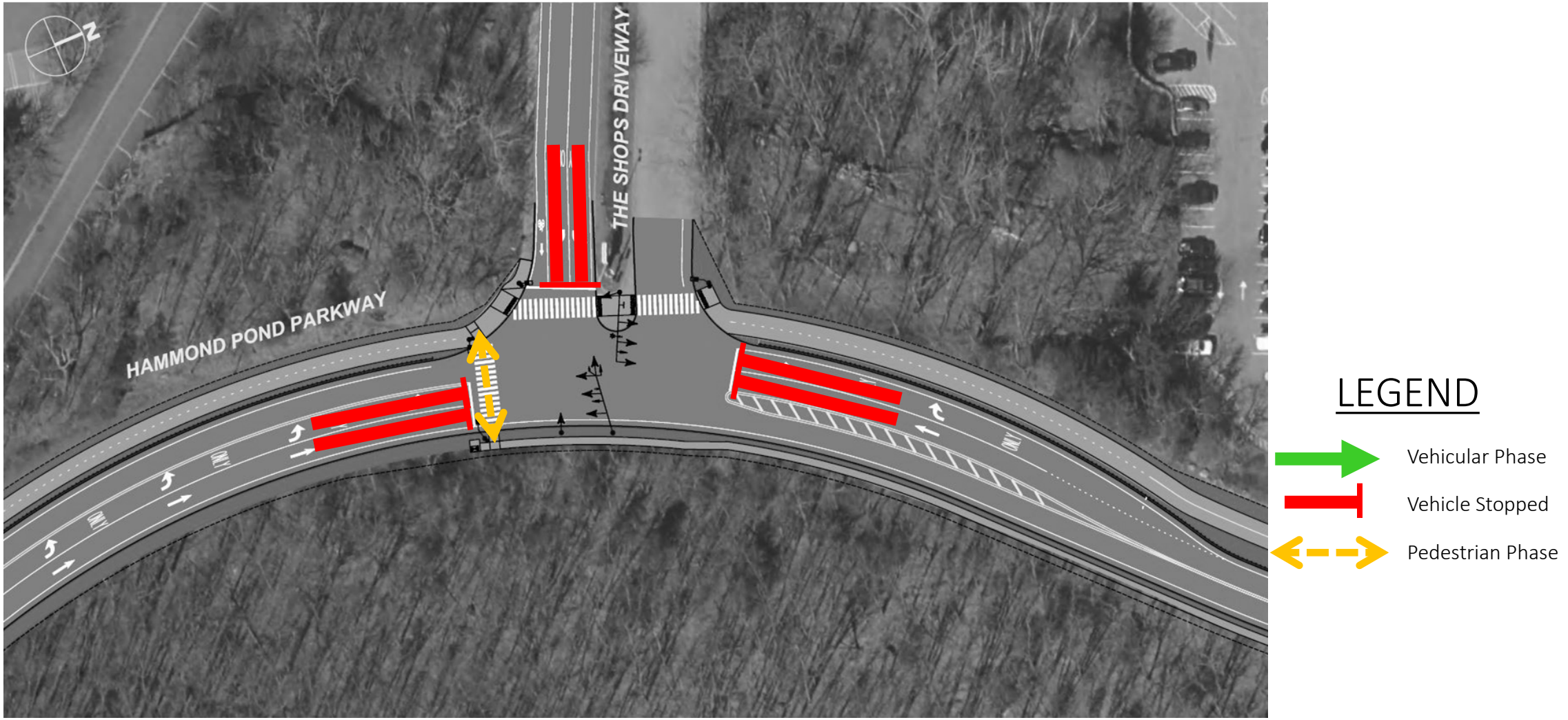
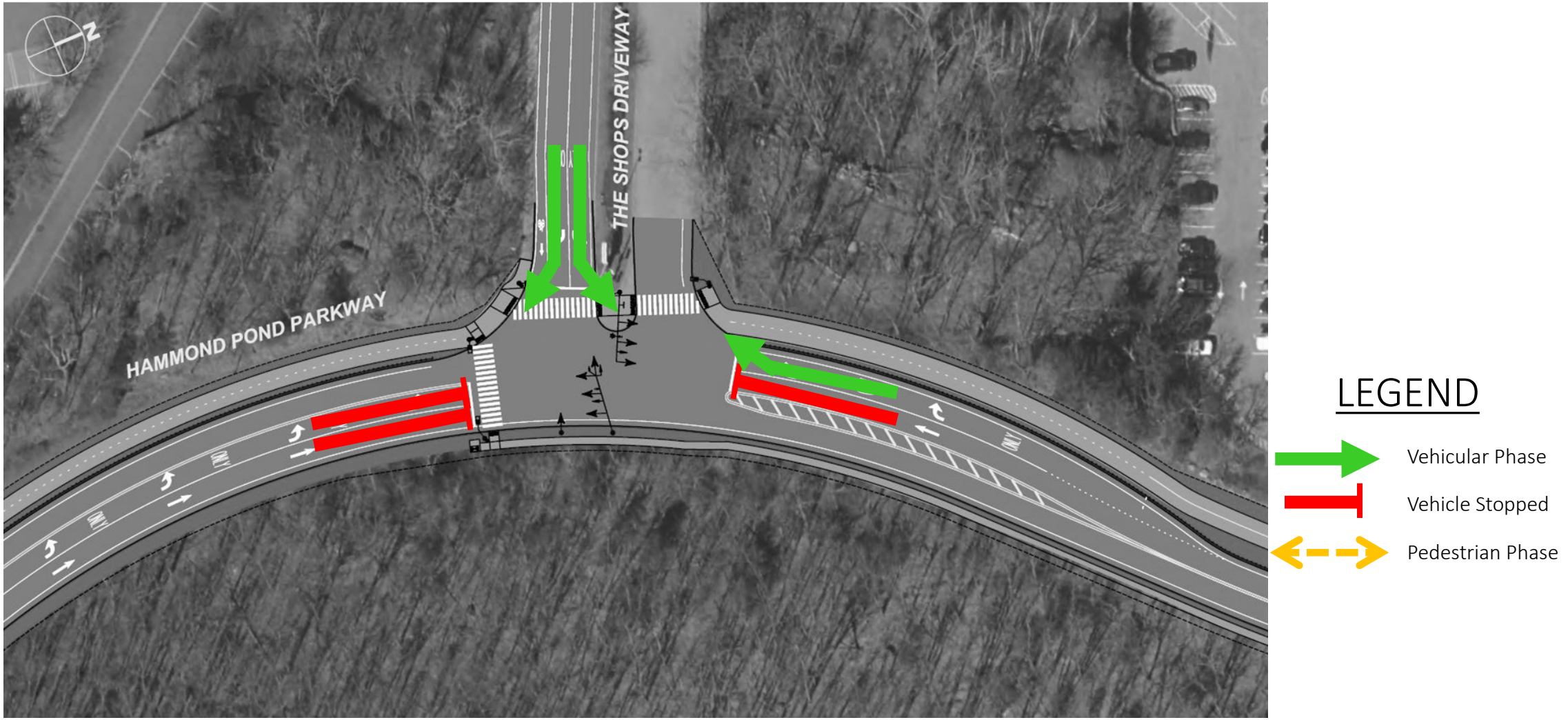
HPP at The Shops Traffic Signal Phasing – Sequence 3



dcr MASSACHUSETTS DEPARTMENT OF CONSERVATION AND RECREATION

HPP at The Shops Traffic Signal Phasing – Sequence 4



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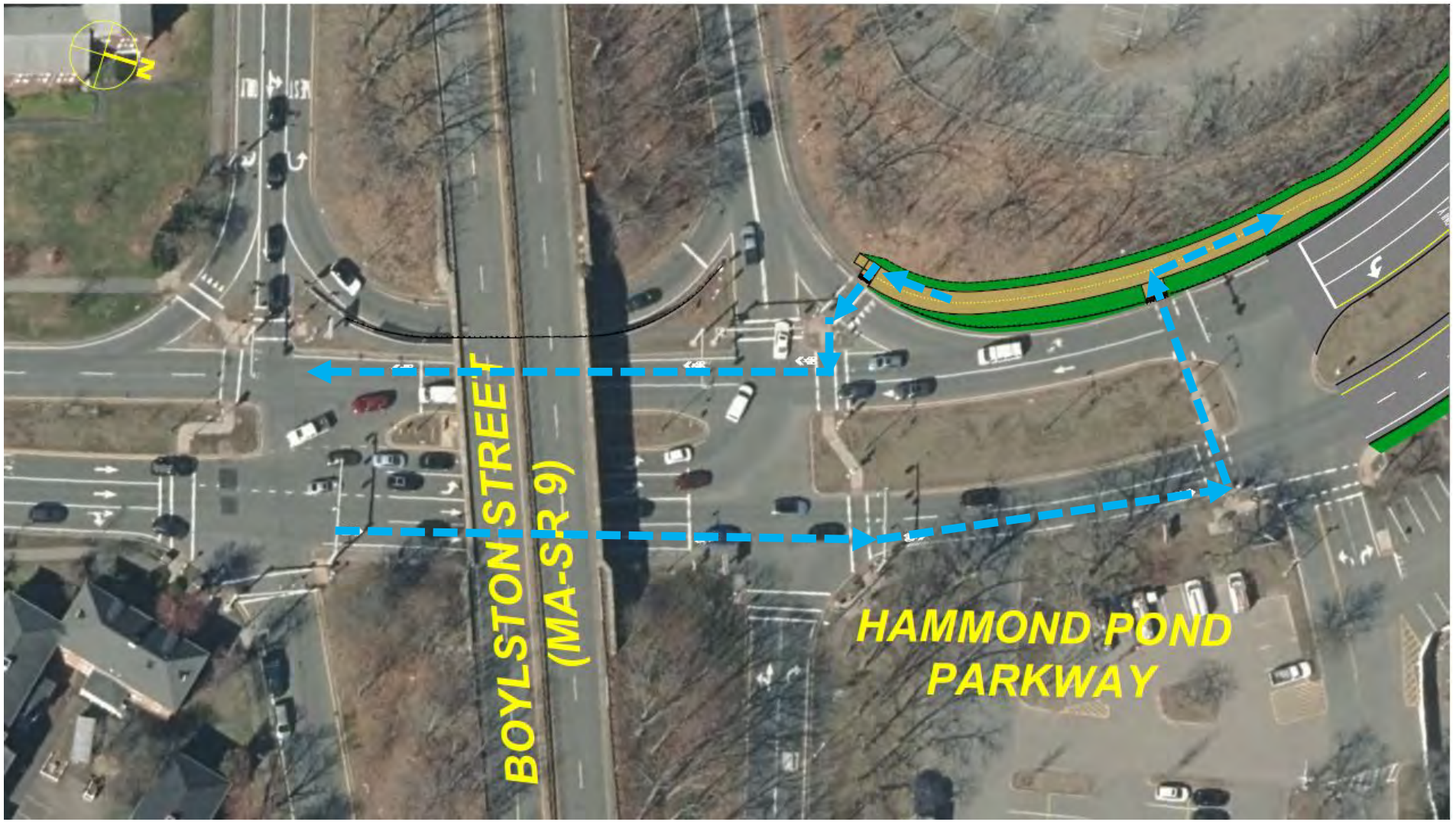
Bicycle Connection – Hammond Pond Parkway South



LEGEND

Bicycle Route

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Pedestrian Connection – DCR Parking

LEGEND

Pedestrian Route

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Trail Connections – Existing Hiking Trails

LEGEND

Existing Trail

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Hammond Pond Parkway – Proposed Section View

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Typical View of Shared Use Path and Parkway

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Planting Palette – Native Species

ACER RUBRUM/ RED MAPLE

NYSSA SYLVATICA/ SOUR GUM

QUERCUS COCCINEA/ SCARLET OAK

ULMUS AMERICANA/ AMERICAN ELM

PINUS STROBUS/ WHITE PINE

GLEDITSIA TRIACANTHOS F. INERMIS/ THORNLESS HONEY LOCUST

OXYDENDRUM ARBOREUM/ SOURWOOD TREE

SASSAFRAS ALBIDUM/ SASSAFRAS

BETULA POPULIFOLIA/ GRAY BIRCH

CORNUS RACEMOSA/ GRAY DOGWOOD

HAMMELIS VIRGINIANA/ COMMON WITCH HAZEL

VIBURNUM ACERIFOLIUM/ MAPLE-LEAF VIBURNUM

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Site Furnishing

LIGHT POLE

RECTANGULAR RAPID FLASHING BEACON

GRANITE BOLLARD

BIKE RACK

WOOD BENCH

PUDDINGSTONE SITE ELEMENT

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View of 300 Hammond Pond Parkway Driveway

Before

After

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View to the north from 300 Hammond Pond Parkway

Before

After

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Environmental Permitting/Stormwater Design

- Wetlands are located on both sides of the parkway. The proposed work is within the Newton Conservation Commission jurisdiction. A Notice of Intent submission is scheduled for December
- A PNF will be filed with MA Historic Commission.
- Ground disturbance likely to require preparation of a Stormwater Pollution Prevention Plan
- A brook near the north end of the project limits crosses under the parkway via a concrete box culvert. Existing direct connections to the culvert will be eliminated. New drain system to be installed within areas of new roadway construction.

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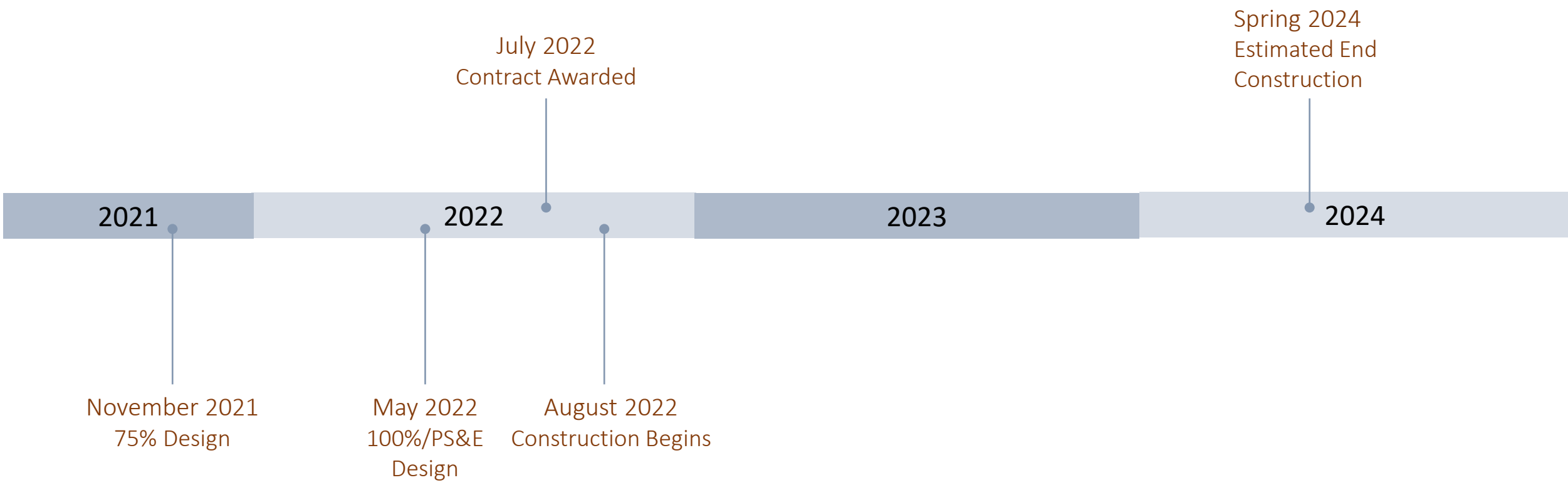
Current Project Schedule



Questions/Comments

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Additional Information

- Recording and tonight's slide deck will be available at:
  - www.mass.gov/dcr/past-public-meetings
- If you have comments on this project:
  - *Submit online:* www.mass.gov/dcr/public-comment
  - *Deadline: Wednesday, December 1st, 2021*

Please note: the contents of comments submitted to DCR, including your name, town and zip code, will be posted on DCR's website. Additional contact information provided, notably email address, will only be used for outreach on future updates to the subject project or property.

- If you wish to subscribe to a DCR general information or project-related listserv: contact DCR's Office of Community Relations via email at mass.parks@mass.gov

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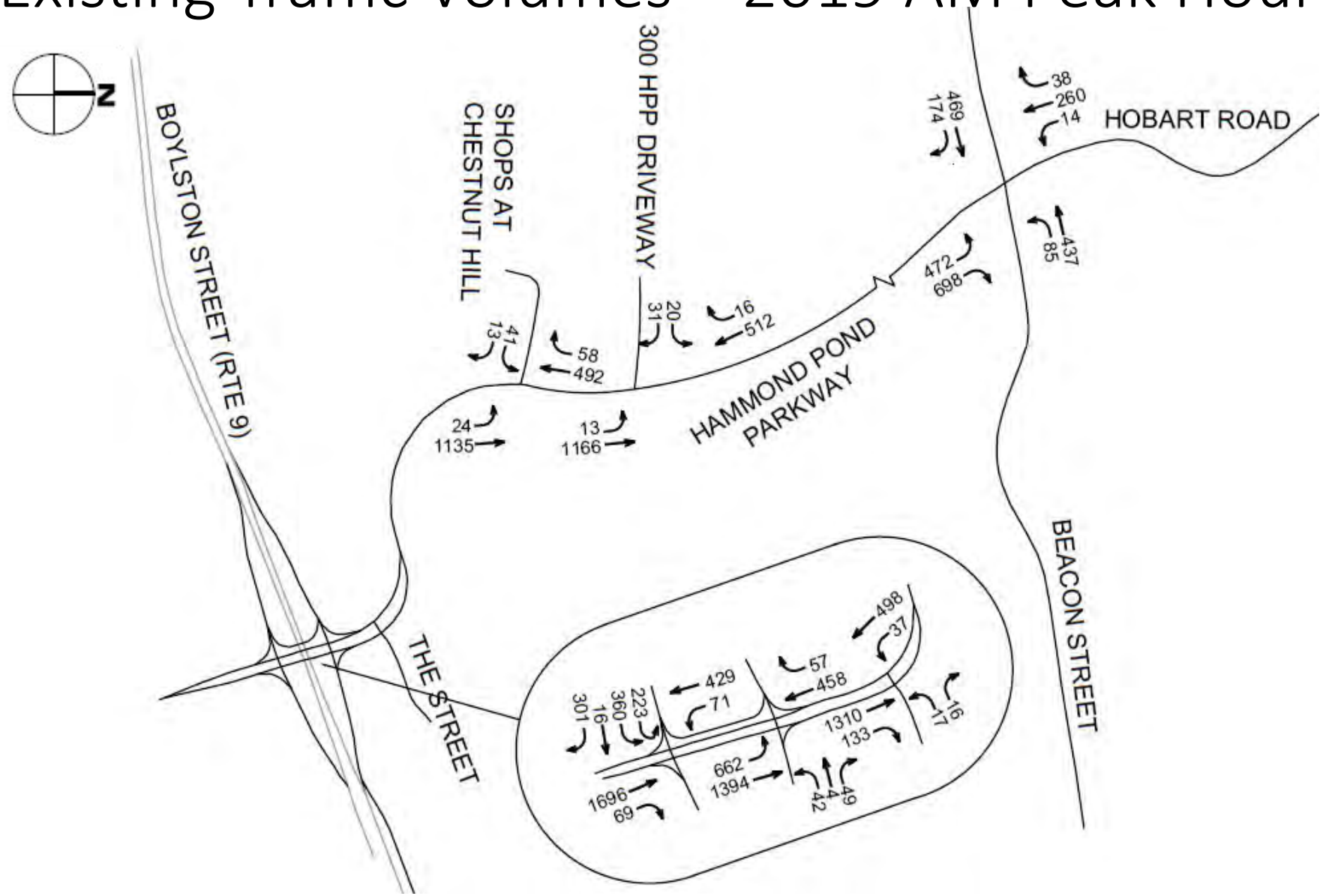
Existing Traffic Volumes – 2019 AM Peak Hour



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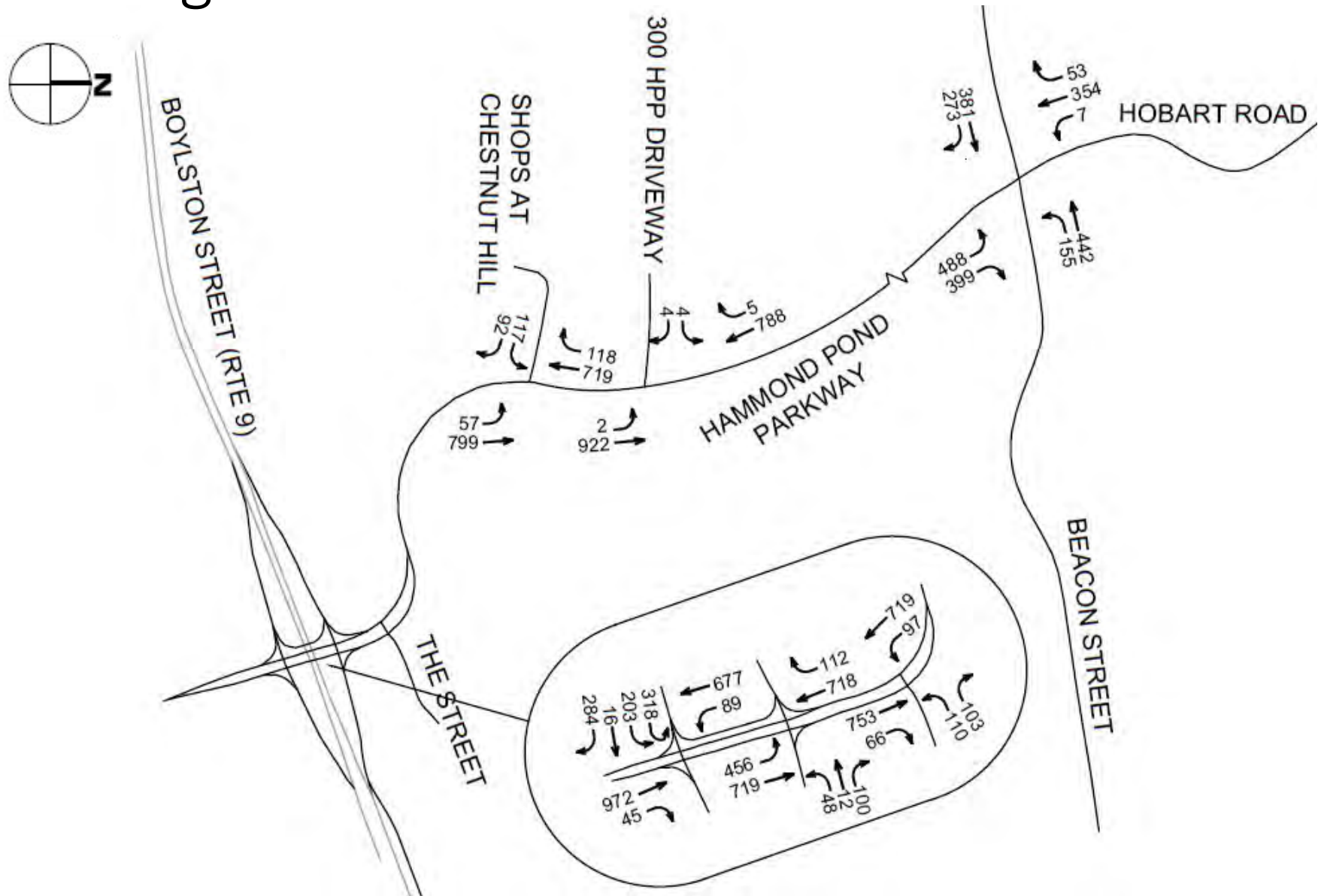
Existing Traffic Volumes – 2019 PM Peak Hour



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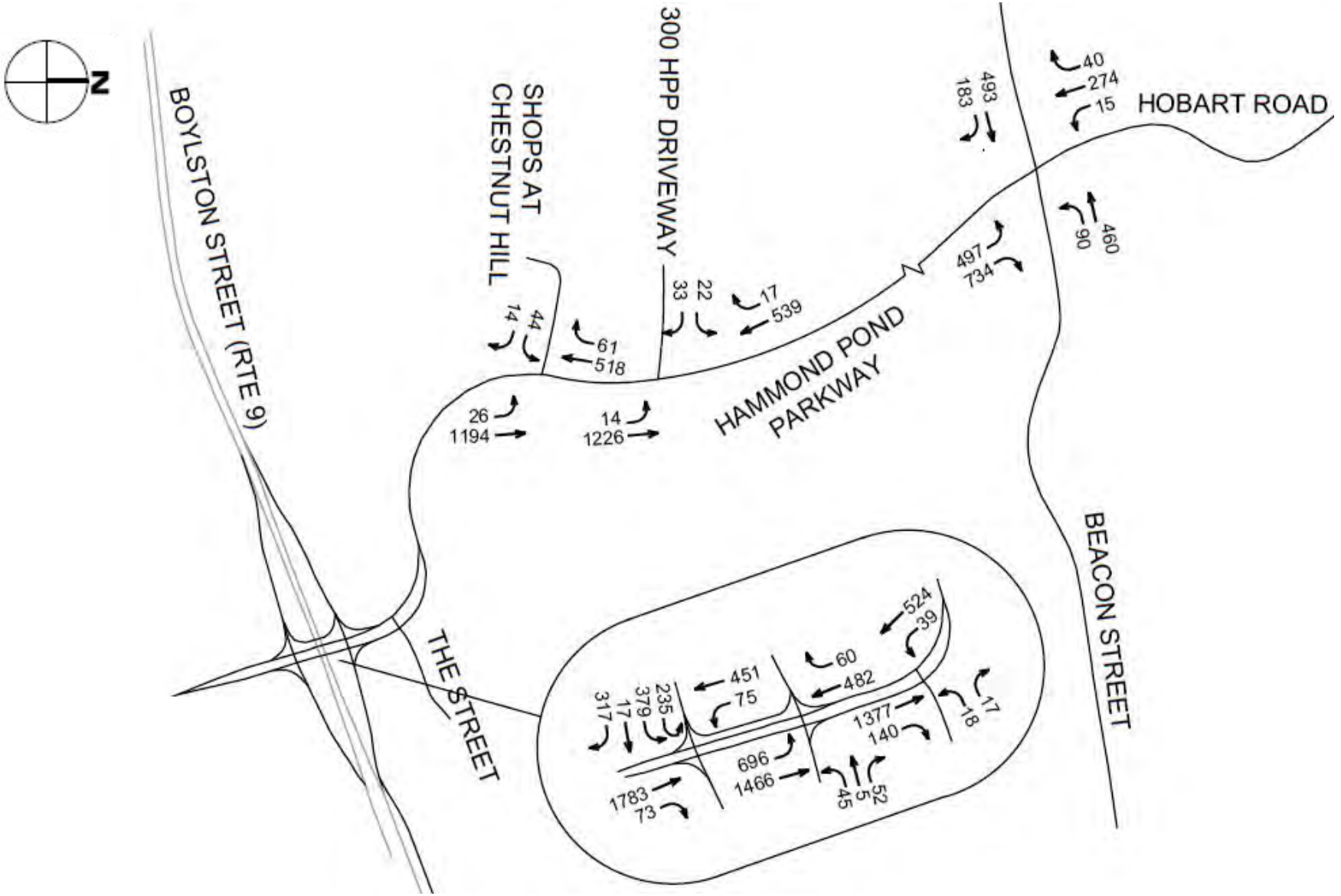
Future Traffic Volumes – 2029 AM Peak Hour



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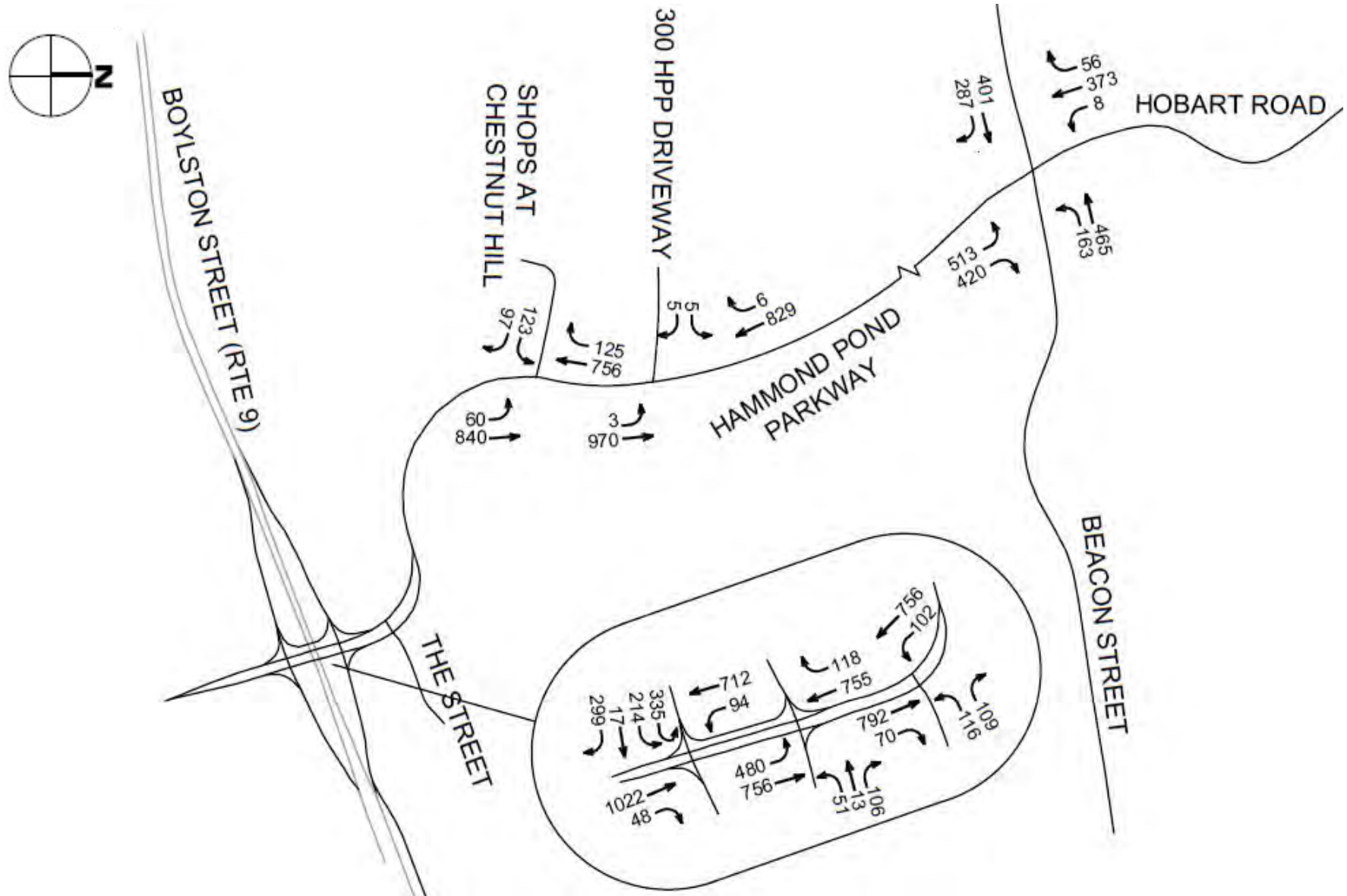
Future Traffic Volumes – 2029 PM Peak Hour



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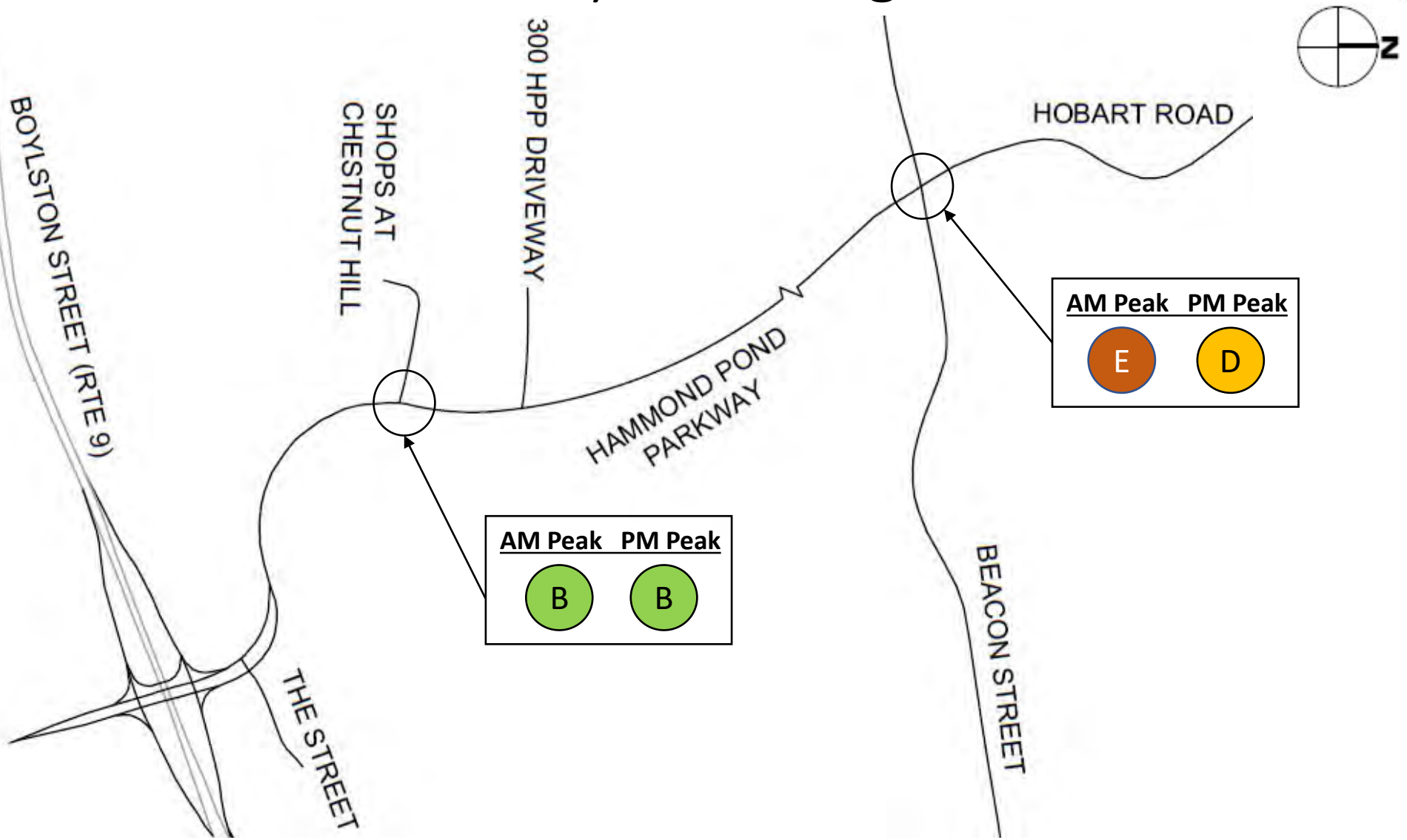
Level of Service Summary – Existing Conditions



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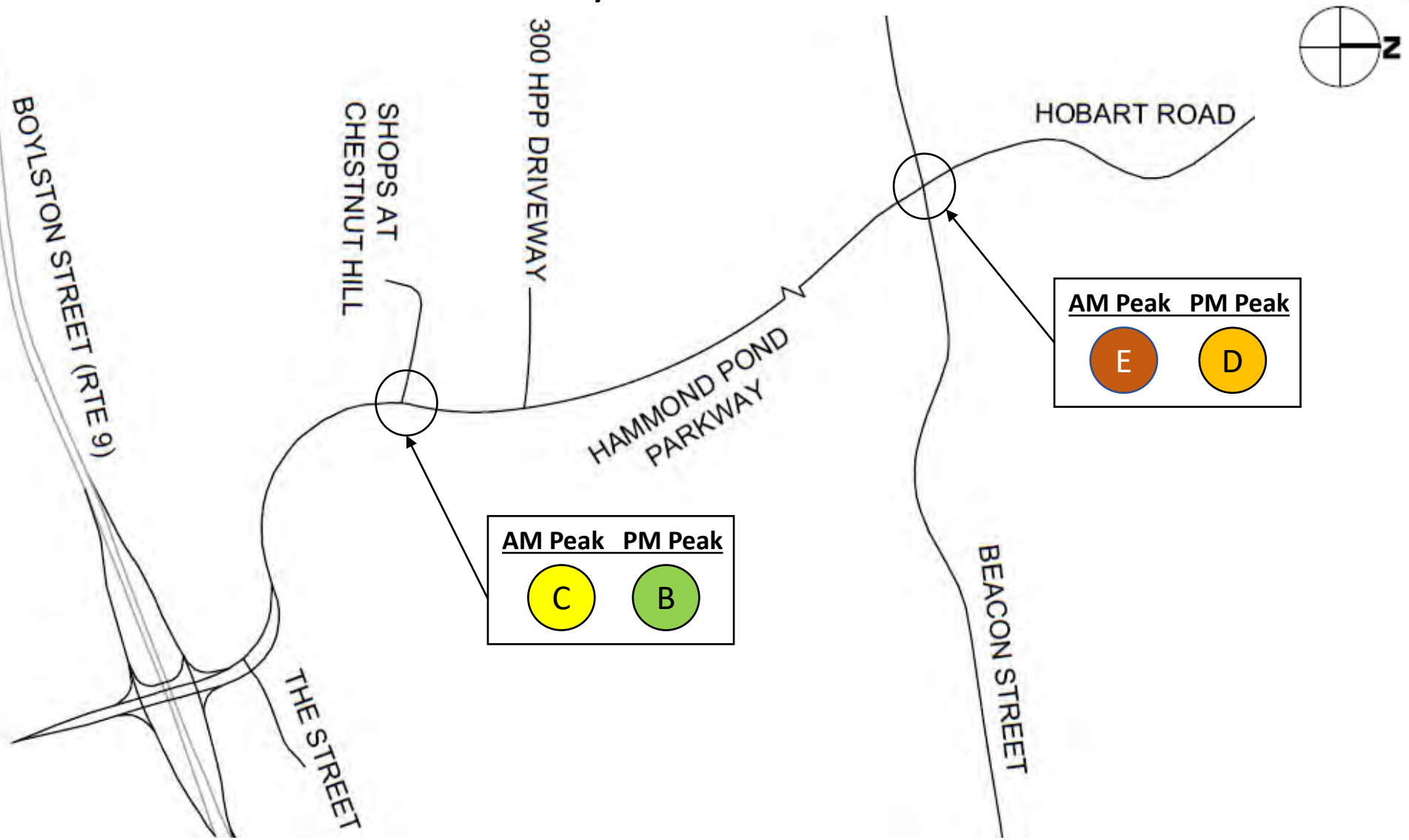
Level of Service Summary – Future No-Build Conditions



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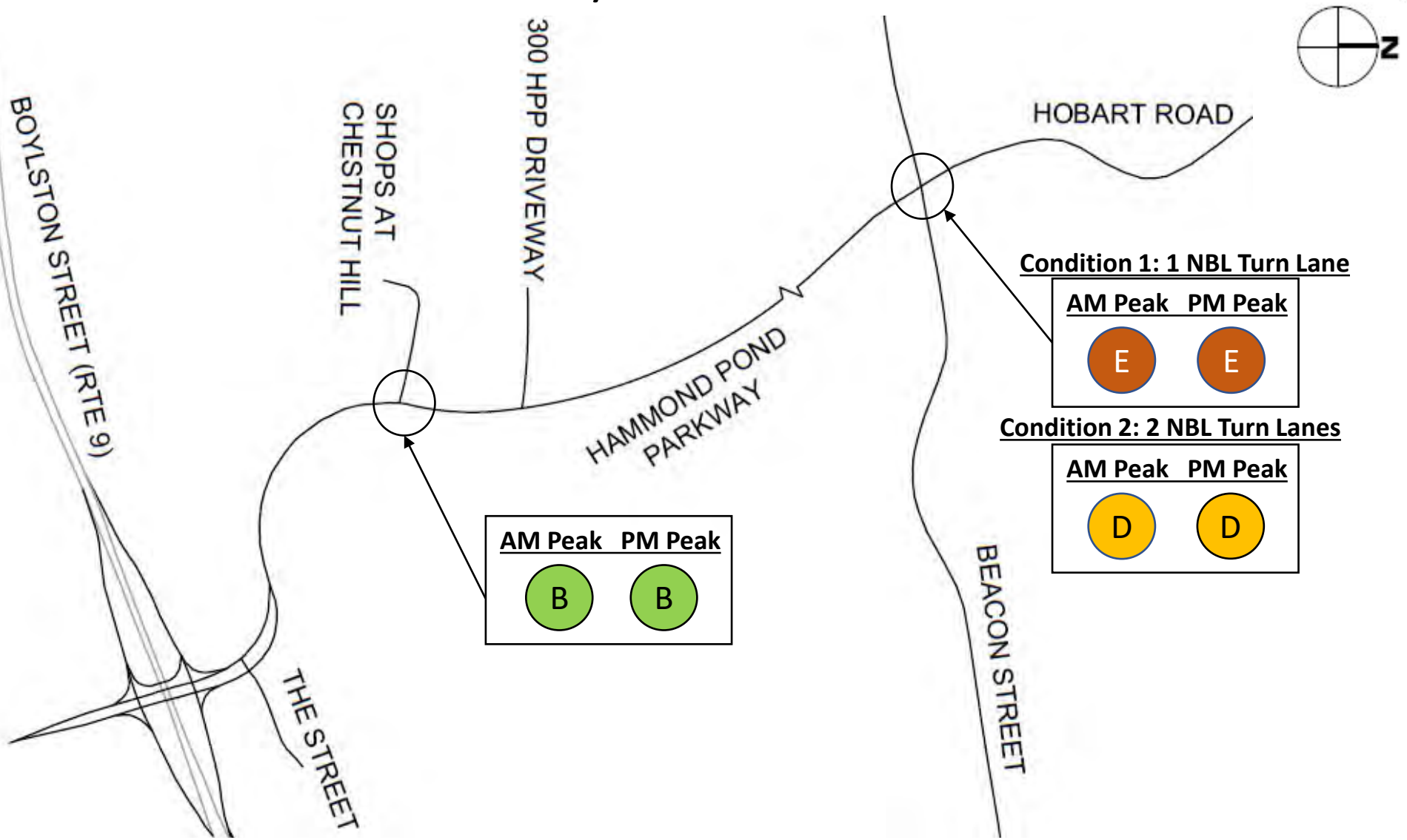
Level of Service Summary – Future Build Conditions



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Beacon Street at Hammond Pond Parkway – LOS Summary

Level of Service Summary								
Beacon Street at Hammond Pond Parkway and Hobart Road								
Movement	AM Peak Hour							
	2019 Existing Conditions		2029 Future No-Build Conditions		2029 Future Build Conditions (1 NBL Lane)		2029 Future Build Conditions (2 NBL Lanes)	
	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
Hammond Pond Parkway NBL	47.1	D	49.1	D	119.4	F	66.5	E
Hammond Pond Parkway NBR	1.1	A	1.5	A	30.7	C	32.6	C
Hobart Road SBT	59.8	E	62.8	E	121.9	F	79.8	E
Hobart Road SBR	0.1	A	0.1	A	0.0	A	0.0	A
Beacon Street EBT	213.1	F	241.6	F	73.3	E	67.9	E
Beacon Street EBR	18.3	B	19.4	B	39.8	D	64.6	E
Beacon Street WBL	34.7	C	34.9	C	63.8	E	45.3	D
Beacon Street WBT	20.3	C	20.9	C	28.7	C	20.9	C
Overall	***58.4***	***E***	***64.4***	***E***	***64.3***	***E***	***49.9***	***D***

Beacon Street at Hammond Pond Parkway and Hobart Road								
Movement	PM Peak Hour							
	2019 Existing Conditions		2029 Future No-Build Conditions		2029 Future Build Conditions (1 NBL Lane)		2029 Future Build Conditions (2 NBL Lanes)	
	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
Hammond Pond Parkway NBL	47.9	D	49.4	D	131.6	F	52.2	D
Hammond Pond Parkway NBR	0.5	A	0.5	A	4.5	A	4.5	A
Hobart Road SBT	81.9	F	93.8	F	186.3	F	77.8	E
Hobart Road SBR	0.1	A	0.1	A	0.1	A	0.1	A
Beacon Street EBT	118.7	F	137.8	F	77.7	E	74.2	E
Beacon Street EBR	14.4	B	16.1	B	10.3	B	12.7	B
Beacon Street WBL	37.6	D	38.0	D	79.9	E	79.1	E
Beacon Street WBT	20.4	C	21.0	C	32.2	C	27.2	C
Overall	***45.9***	***D***	***51.2***	***D***	***75.2***	***E***	***43.6***	***D***

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Hammond Pond Parkway at The Shops Driveway – LOS Summary

Level of Service Summary						
Hammond Pond Parkway at The Shops Driveway						
Movement	AM Peak Hour					
	2019 Existing Conditions		2029 Future No-Build Conditions		2029 Future Build Conditions	
	Delay	LOS	Delay	LOS	Delay	LOS
Hammond Pond Parkway NBL	30.2	C	30.3	C	25.2	C
Hammond Pond Parkway NBT	19.4	B	25.6	C	15.6	B
Hammond Pond Parkway SBT	14.6	B	14.8	B	21.6	C
Hammond Pond Parkway SBR	-	-	-	-	8.3	A
The Shops Driveway EBL	38.3	D	38.3	D	41.5	D
The Shops Driveway EBR	8.0	A	8.0	A	6.1	A
Overall	***18.5***	***B***	***22.7***	***C***	***17.7***	***B***

Hammond Pond Parkway at The Shops Driveway						
Movement	PM Peak Hour					
	2019 Existing Conditions		2029 Future No-Build Conditions		2029 Future Build Conditions	
	Delay	LOS	Delay	LOS	Delay	LOS
Hammond Pond Parkway NBL	33.4	C	33.5	C	37.6	D
Hammond Pond Parkway NBR	9.0	A	9.7	A	9.0	A
Hobart Road SBT	16.0	B	16.6	B	25.6	C
Hobart Road SBR	-	-	-	-	0.8	A
Beacon Street EBT	36.6	D	37.7	D	40.5	D
Beacon Street EBR	5.8	A	7.3	A	6.7	A
Overall	***14.4***	***B***	***15.1***	***B***	***17.5***	***B***

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Beacon Street at Hammond Pond Parkway – LOS Summary

Level of Service Summary												
Beacon Street at Hammond Pond Parkway and Hobart Road												
Movement	AM Peak Hour											
	2019 Existing Conditions			2029 Future No-Build Conditions			2029 Future Build Conditions (1 NBL Lane)			2029 Future Build Conditions (2 NBL Lanes)		
	Delay	LOS	95th % Queue	Delay	LOS	95th % Queue	Delay	LOS	95th % Queue	Delay	LOS	95th % Queue
Hammond Pond Parkway NBL	47.1	D	239	49.1	D	253	119.4	F	674	66.5	E	311
Hammond Pond Parkway NBR	1.1	A	0	1.5	A	0	30.7	C	607	32.6	C	587
Hobart Road SBT	59.8	E	170	62.8	E	190	121.9	F	439	79.8	E	401
Hobart Road SBR	0.1	A	0	0.1	A	0	0.0	A	0	0.0	A	0
Beacon Street EBT	213.1	F	699	241.6	F	743	73.3	E	619	67.9	E	619
Beacon Street EBR	18.3	B	104	19.4	B	113	39.8	D	200	64.6	E	265
Beacon Street WBL	34.7	C	98	34.9	C	103	63.8	E	127	45.3	D	115
Beacon Street WBT	20.3	C	317	20.9	C	338	28.7	C	390	20.9	C	330
Overall	***58.4***	***E***	-	***64.4***	***E***	-	***64.3***	***E***	-	***49.9***	***D***	-

Beacon Street at Hammond Pond Parkway and Hobart Road												
Movement	PM Peak Hour											
	2019 Existing Conditions			2029 Future No-Build Conditions			2029 Future Build Conditions (1 NBL Lane)			2029 Future Build Conditions (2 NBL Lanes)		
	Delay	LOS	95th % Queue	Delay	LOS	95th % Queue	Delay	LOS	95th % Queue	Delay	LOS	95th % Queue
Hammond Pond Parkway NBL	47.9	D	247	49.4	D	261	131.6	F	703	52.2	D	245
Hammond Pond Parkway NBR	0.5	A	0	0.5	A	0	4.5	A	75	4.5	A	60
Hobart Road SBT	81.9	F	247	93.8	F	269	186.3	F	587	77.8	E	435
Hobart Road SBR	0.1	A	0	0.1	A	0	0.1	A	0	0.1	A	0
Beacon Street EBT	118.7	F	536	137.8	F	573	77.7	E	525	74.2	E	451
Beacon Street EBR	14.4	B	112	16.1	B	127	10.3	B	100	12.7	B	109
Beacon Street WBL	37.6	D	166	38.0	D	174	79.9	E	239	79.1	E	221
Beacon Street WBT	20.4	C	322	21.0	C	342	32.2	C	417	27.2	C	351
Overall	***45.9***	***D***	-	***51.2***	***D***	-	***75.2***	***E***	-	***43.6***	***D***	-