



Stratton Elementary School, Arlington

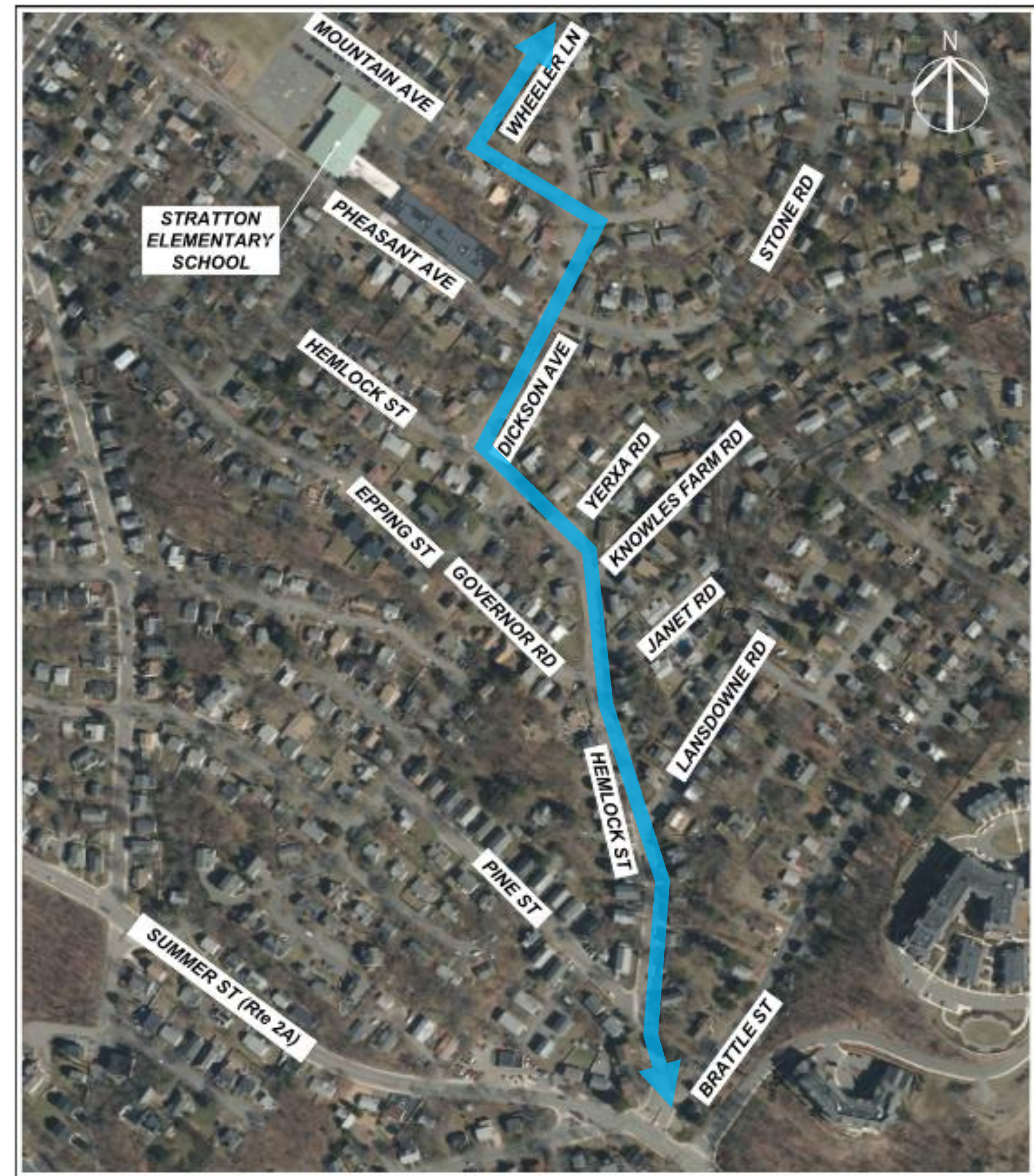
Safe Routes to School Project

Select Board – Tree Hearing
September 9, 2024 | 7:15 PM
Project File No. 609531



Project Area

- 225' along Wheeler Lane from Dickson Ave to Mountain Ave
- 300' along Mountain Ave from Wheeler Lane to Dickson Ave
- 575' along Dickson Ave from Mountain Ave to Hemlock St
- 1,600' along Hemlock St from Dickson Ave to Brattle St



Project Needs and Goals- Improve Sidewalks/Paths

- Various narrow sections
- Missing detectable warning panels
- Sections with steep grades

Upgrade to Americans with Disabilities Act (ADA) compliance – including width, cross slope and ped ramps

- Incomplete sidewalk network to school's entrances

Extend sidewalk network



Narrow sidewalk on Hemlock Street



No sidewalk on Dickson Avenue

Project Needs and Goals – Safer Pedestrian Crossings

- Missing crosswalks along desire lines
- Lack of high visibility/consistent striping
- Sight line issues

Restripe Crosswalks and enhance signage

Consider traffic calming measures as appropriate



Missing crosswalks across side streets.



Horizontal/vertical alignment and on-street parking limit visibility.

Project Needs and Goals – Safer Intersections

- Pedestrian crossings are long
- Excessive pavement allows higher vehicular speeds at intersections
- Excessive pavement presents ambiguity in right-of-way

Narrow roadway intersections, add signing and markings to identify ROW



Dickson/Hemlock – no stop lines/stop signs



Hemlock/Yerxa - flat radius = high speed turn



How will
public shade
trees be
impacted?

Existing Conditions



Existing Conditions



Proposed Conditions



Proposed Conditions



Tree Impact Summary

Location	Sta	Size	Disposition
Wheeler Lane	302+21 RT	2"	Transplant
Mountain Ave	3+18 RT	15"	Remove
Mountain Ave	4+24 RT	24"	Remove
Mountain Ave	4+81 RT	20"	Remove
Dickson Ave	102+10 RT	15"	Remove
Dickson Ave	104+02 RT	15"	Remove
Yerxa Rd	111+35 LT	10"	Remove
Hemlock St	116+01 RT	1"	Transplant
Hemlock St	116+96 LT	15"	Remove
Hemlock St	119+52 LT	12"	Remove
Hemlock St	120+37 LT	48"	Remove
Hemlock St	121+25 LT	48"	Remove

Location	Sta	Size	Species
Wheeler Lane	302+21 RT	2"	Transplant
Mountain Ave	3+34 RT	8-10 Feet	Maple
Mountain Ave	4+24 RT	2-2.5 Inch Caliper	Sweetgum
Mountain Ave	4+81 RT	2-2.5 Inch Caliper	Tupelo
Mountain Ave	102+29 RT	8-10 Feet	Maple
Dickson Ave	104+00 RT	8-10 Feet	Maple
Yerxa Rd	111+41 LT	2-2.5 Inch Caliper	Tupelo
Hemlock St	111+60 LT	2-2.5 Inch Caliper	Sweetgum
Hemlock St	111+80 LT	8-10 Feet	Maple
Hemlock St	114+50 RT	8-10 Feet	Maple
Hemlock St	116+01 RT	1"	Transplant
Hemlock St	117+50 LT	7-8 Feet	Serviceberry
Hemlock St	119+50 LT	1.5-2 Inch Caliper	Hawthorne
Hemlock St	119+59 LT	1.5-2 Inch Caliper	Cherry
Hemlock St	120+28 LT	7-8 Feet	Serviceberry
Hemlock St	121+22 LT	1.5-2 Inch Caliper	Hawthorne

- All existing trees are within the Town ROW
- 12 Total trees are impacted – 10 to be removed and 2 to be transplanted
- 16 Trees to be planted (including the 2 transplants) = 4 more trees than existing



Thank You

*Stratton Elementary School
Arlington SRTS Project*

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