

AGENDA

- Future School Program Enrollment + Parking Needs
- Net-New Vehicle Trip Generation
- COVID-19 Considerations
- Proposed Site Plan
- Study Area Intersections
- Net-New Traffic Summary Impacts
- Key Findings + Area Improvements
- Transportation Collaboration



TRAFFIC ASSESSMENT

COVID-19 CONSIDERATIONS

- Vehicle Data Collection
 - Traffic patterns are atypical due to the ongoing COVID-19 pandemic
 - Coordination with TP&T to approve the use of StreetLight (smartphone geolocation data) to evaluate traffic patterns
 - Average of Tues, Weds, and Thurs from Sept. 2019 Feb. 2020

- Pedestrian/Bicycle Data Collection
 - Based upon available data from recently available area Certified TIS Reports



KEY PROGRAM ENROLLMENT + PARKING ASSUMPTIONS

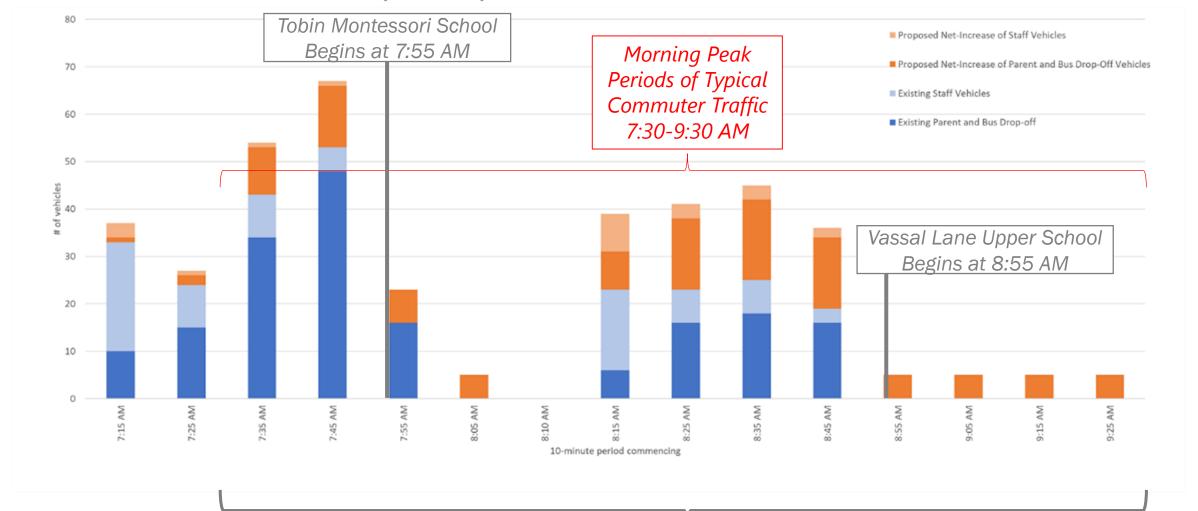
	Existing Condition (# of students)	Proposed Program (# of students)	
Tobin Montessori	312	336	
Vassal Lane Upper School	283	450	
Special Programs	23 (1/2 at Tobin; 1/2 at Vassal)	113 (approx. 45 at Tobin; 68 at Vassal)	
Preschool	0	80	

	Existing Condition	Proposed Program
Provided Staff Parking Spaces	80 parked vehicles	100 spaces



FUTURE SITE CONDITIONS

MORNING ARRIVAL DROP-OFF PROFILE (VEHICLES)

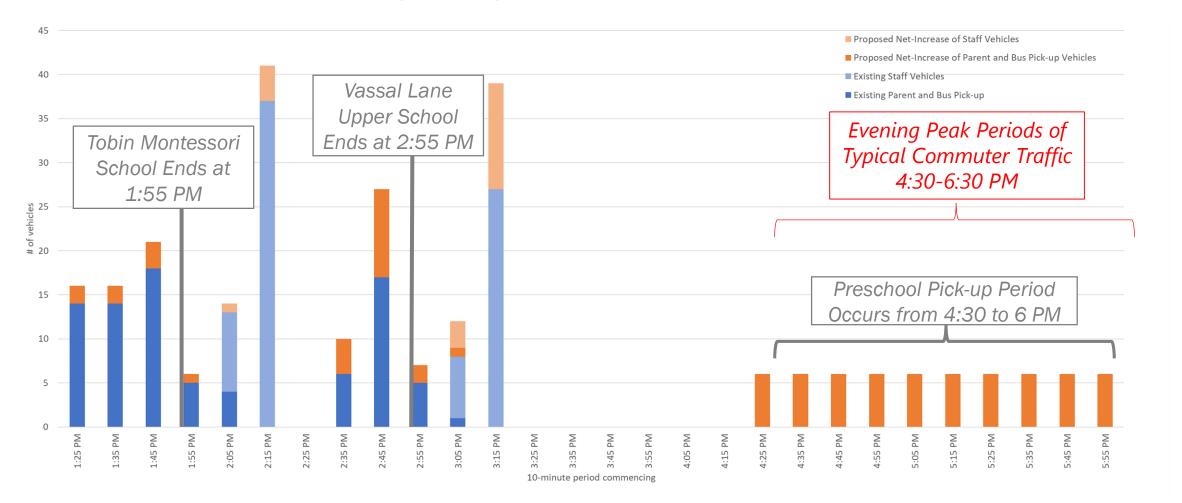




Preschool Drop-off Period Occurs from 7:30 to 9:30 AM

FUTURE SITE CONDITIONS

AFTERNOON DISMISSAL PICK-UP PROFILE (VEHICLES)





NET-NEW VEHICLE PROJECT-GENERATED TRIPS

	Staff Trips	Student / Parent Trips	Total Trips
Morning In	13	58	71
Morning Out	0	58	58
Total Morning	13	116	129
Afternoon In	0	8	8
Afternoon Out	5	8	13
Total Afternoon	5	16	21
Evening In	0	36	36
Evening Out	0	36	36
Total Evening	0	72	72



STUDY AREA INTERSECTIONS



- Concord Avenue at Birch Street
- Concord Avenue at Fern Street
- Concord Avenue at Corporal Burns Road
- Concord Avenue at Alpine Street
- Concord Avenue at Chilton Street
- Concord Avenue at Fayerweather Street
- Fresh Pond Parkway at Vassal Lane
- Vassal Lane at Lakeview Avenue
- Vassal Lane at TMVLUS Parking Driveway
- Vassal Lane at TMVLUS Bus Loop (Exit)
- Vassal Lane at Standish Street/ TMVLUS Bus Loop (Entrance)
- Vassal Lane at Alpine Street
- Vassal Lane at Chilton Street
- Vassal Lane at Fayerweather Street
- Fresh Pond Parkway at Lexington Avenue
- Lexington Avenue at Worthington Street
- Lakeview Avenue at Worthington Street





STAFF DISTRIBUTION

Entering Trips
Exiting Trips

CARS ONLY







STUDENT DISTRIBUTION

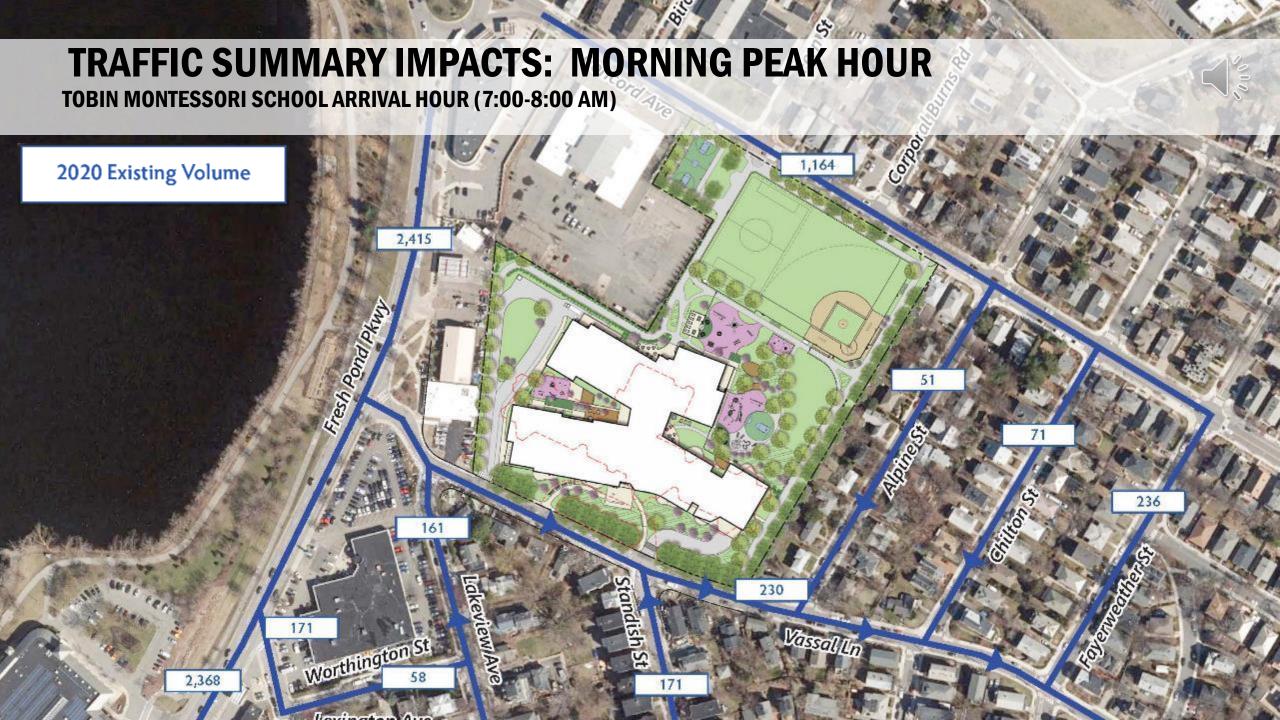
Entering Trips
Exiting Trips

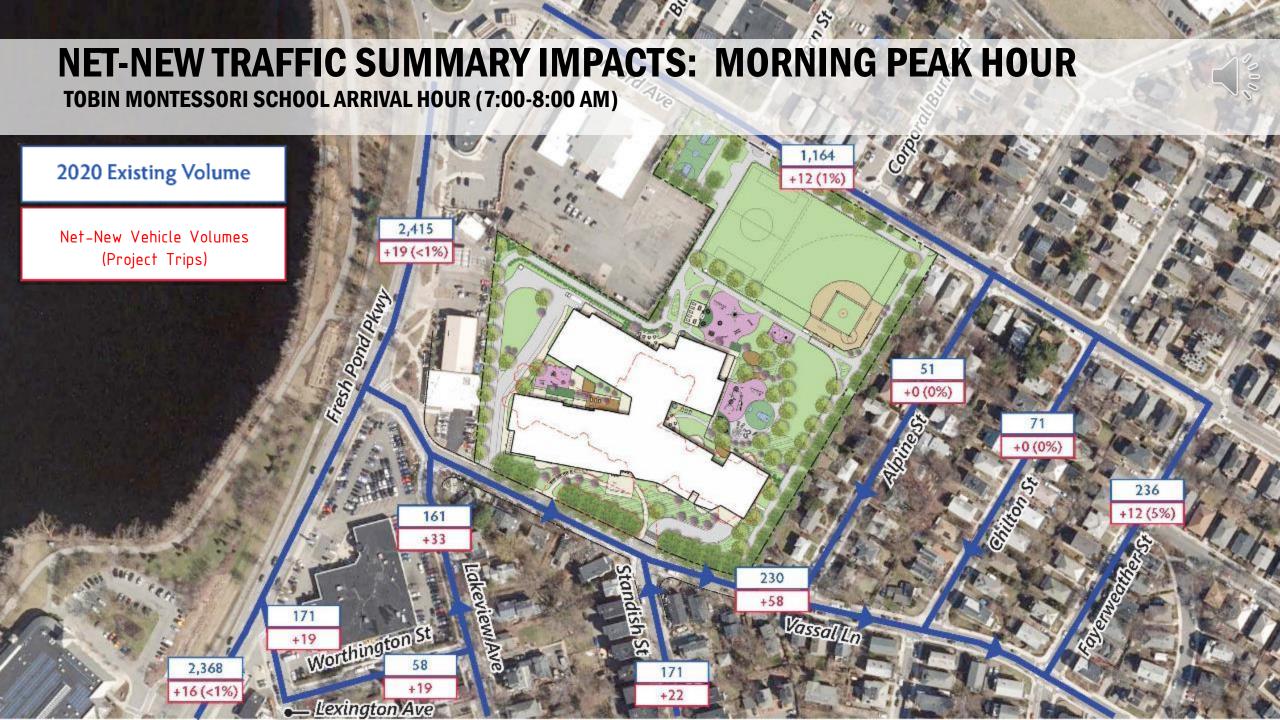
(CARS ONLY)

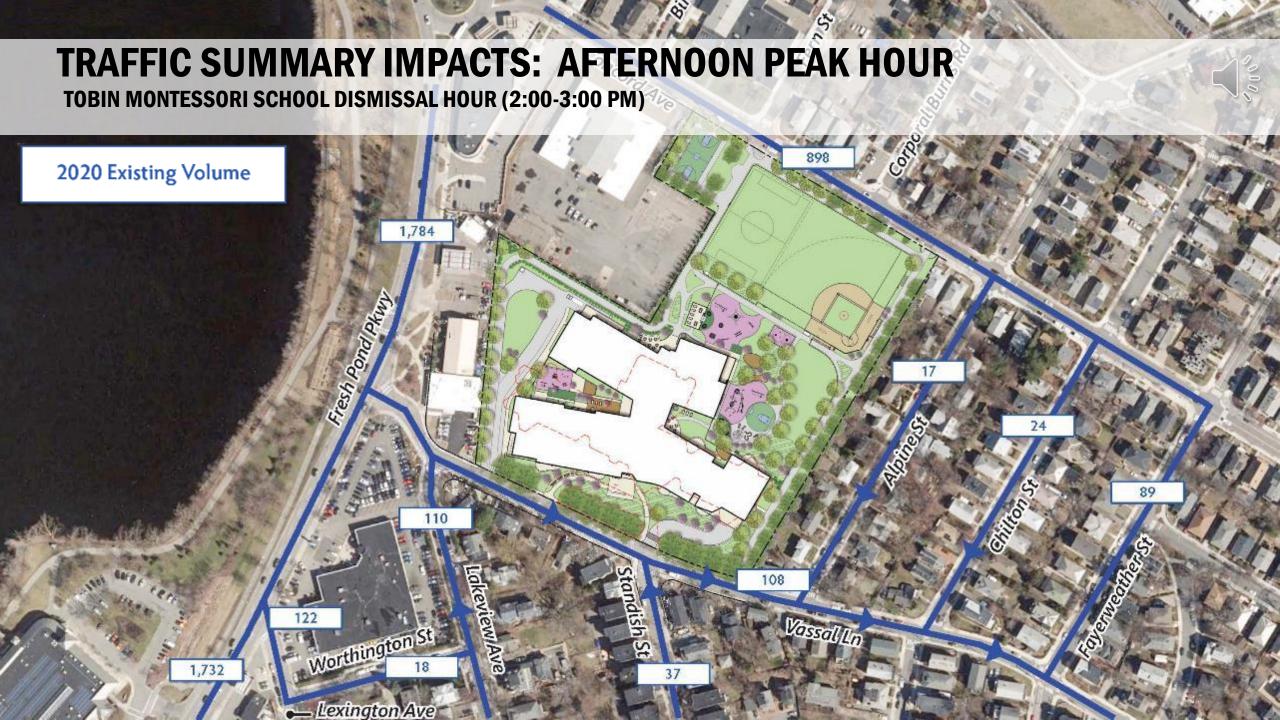


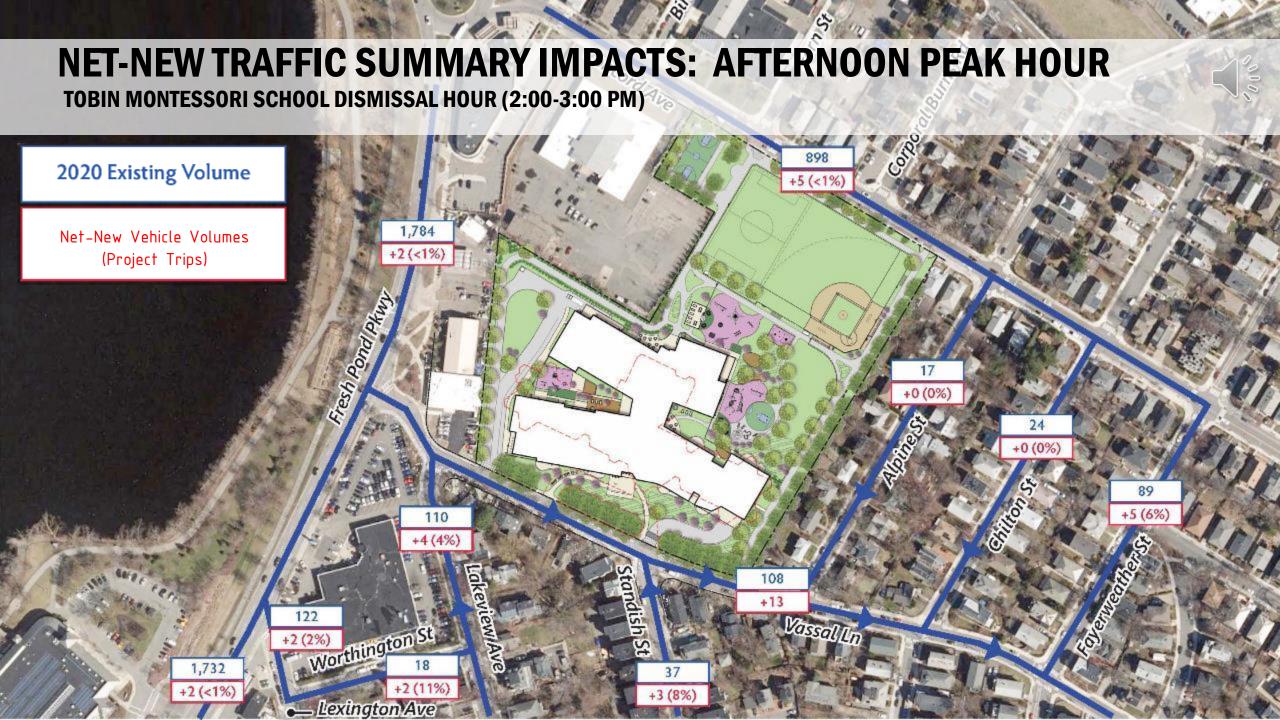


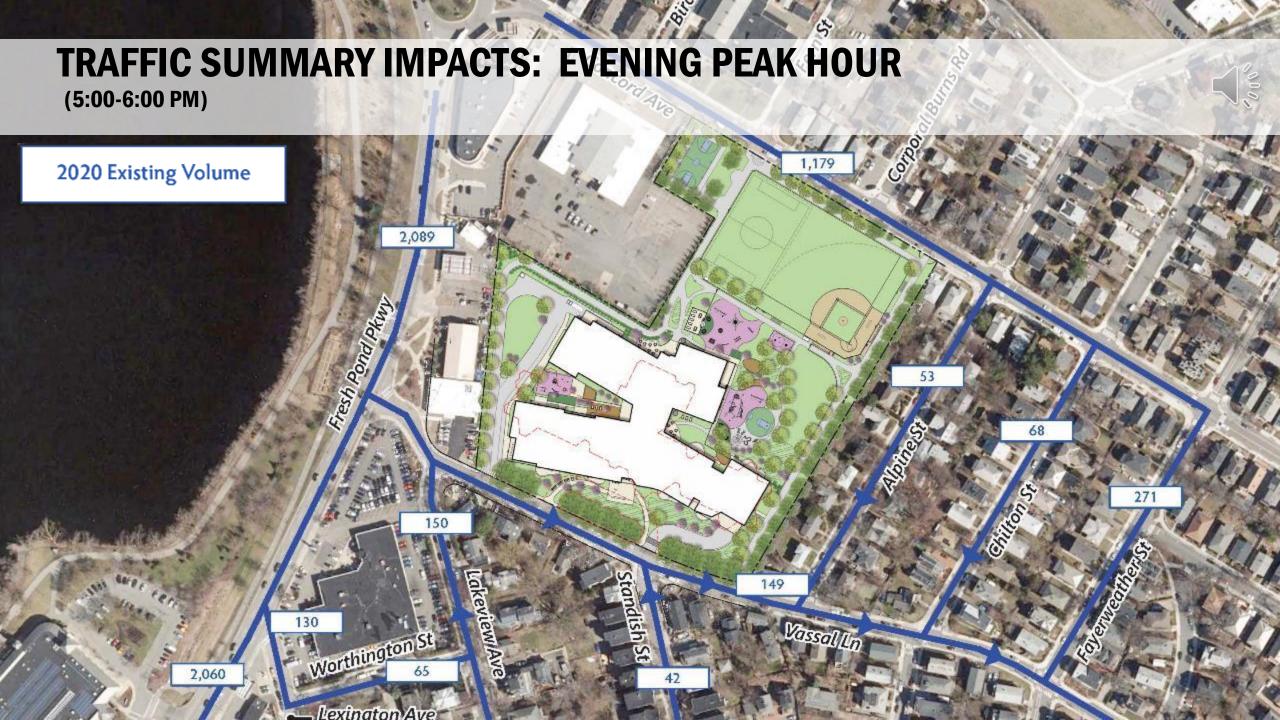


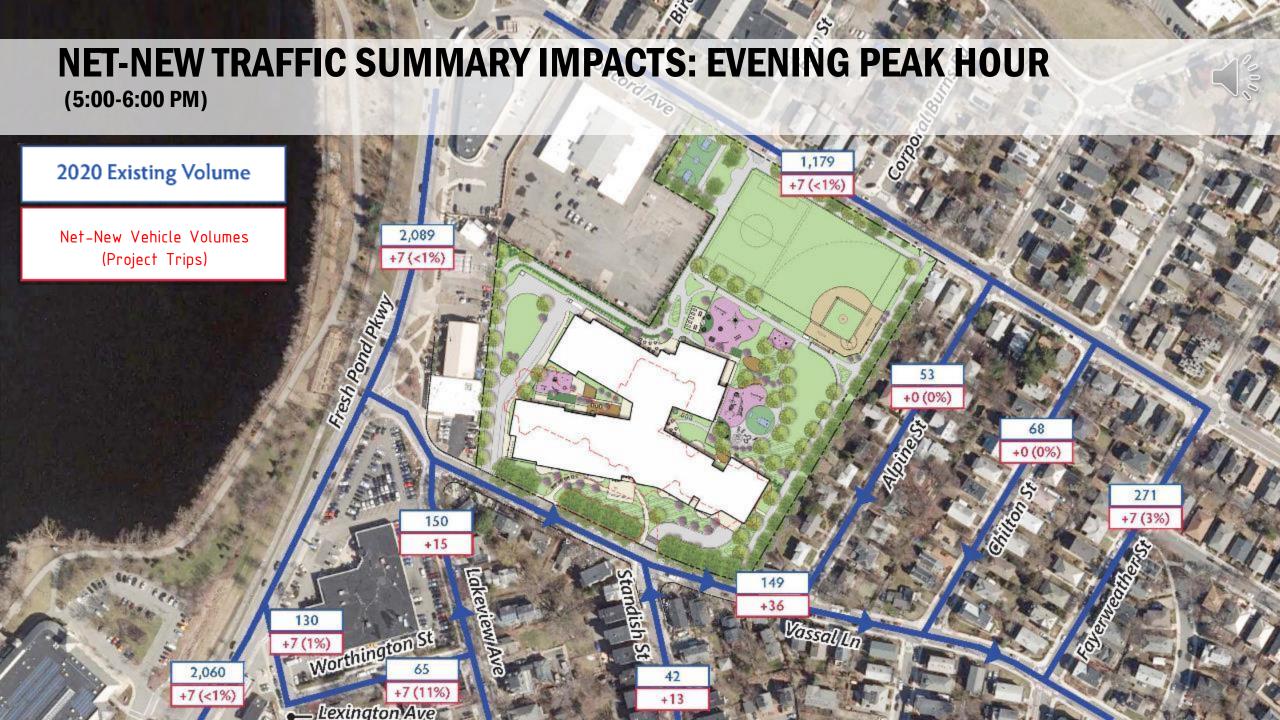


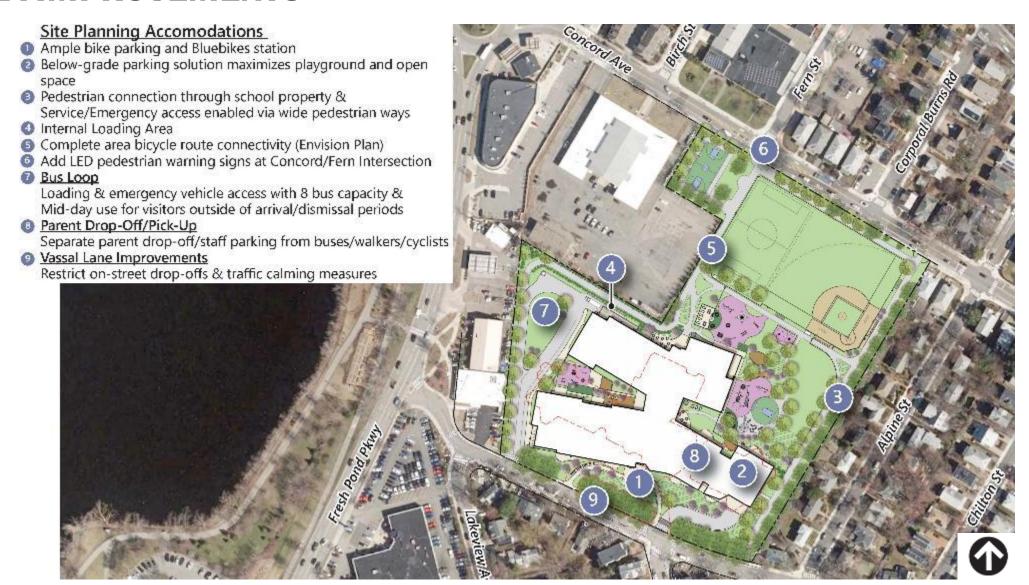












PERKINS EASTMAN TOBIN MONTESSORI VASSAL LANE SCHOOLS

STUDENT DROP OFF AND PICK UP

- Bike and bike share parking
- 2 Below grade parking
- 8 Parent drop-off/
 pick-up separated
 from busses
- 9 Eliminate on-street drop-off





SITE PLANNING AND BUS LOOP

- 3 Pedestrian path with emergency/service access
- 4 Loading zone
- Community Path
- 6 Pedestrian signals
- Bus loop







PARENT DROP-OFF AND PICK-UP BY CAR

- 1 Bicycle storage
- 2 Sub-grade parking across from Standish
- 8 Student drop-off/ pick-up
- Student drop-off / pick-up travel pattern
- Long-term bicycle storage travel pattern





VASSAL LANE IMPROVEMENTS

- School zone flashers
- Sidewalk and pedestrian improvements
- Traffic calming measures
- Safety measures at Standish intersection





TRANSPORTATION COLLABORATION

MOVING FORWARD

- >TP&T reviews and certifies TIS before Planning Board review
- >PTDM Plan includes:
 - Single-occupancy vehicle mode-share commitment
 - Comprehensive set of transportation demand management (TDM) measures
 - Annual monitoring and reporting

