EXISTING BUILDING

- CONSTRUCTION 1956, ADDITION 1989
- 50,485 SF
- 11'-4" FLOOR TO FLOOR (TYP. NEW CONSTRUCTION 13'-4")
- TYPICAL CLASSROOM – 855 SF – NEW CRS 950 SF / 1200 SF
One Community School | Shadow Study - Summer Sol. 9am | Perkins Eastman | DPC
One Community School  Shadow Study - Spring/Fall Eq. 12pm  Perkins Eastman | DPC
One Community School | Shadow Study - Winter Sol. 9am
SCOPE OF VHB’S TRAFFIC REVIEW

- Develop a comprehensive scope with iterative input
- Perform field inventories of current roadway conditions
- Collect detailed traffic data on the roadways
- Observe morning and afternoon peak operations at both schools
- Analyze current conditions
- Estimate future traffic conditions after school consolidation
- Quantify impacts and identify opportunities for improvements
- Explore ways to reduce vehicular traffic to the school
- Identify potential parking opportunities
SCOPE OF TODAY’S TRAFFIC DISCUSSION

- where are we in the process?
- Some of the DRAFT data summaries we have developed to date
- Initial thoughts on what potential issues to address in the study
- Next steps
TRAFFIC STUDY AREA

One Community School
Distinct commuter peaks
School start/end times are slightly offset from the peaks
- Posted speed limit on the roadway: 25 mph
- 85th percentile speed in the order of 31 to 32 mph; higher speeds during off-peak hours
- Westbound speeds higher than in the eastbound direction
- Combined maximum queue in the order of 1,000 feet
- Does not fully account for on-street drop-off
- Poor weather conditions could likely increase the queue length
PEDESTRIAN ACTIVITY TO/FROM EACH SCHOOL

- Majority of pedestrian activity at Winthrop School, as expected
- Some of these could change to vehicular trips in poor weather conditions
PARKING DEMAND

![Bar chart showing parking demand at One Community School at different times of the day.]

- **7:00 AM**
  - Winthrop: 10
  - Doyon: 8

- **9:00 AM**
  - Winthrop: 73
  - Doyon: 73

- **2:30 PM**
  - Winthrop: 66
  - Doyon: 41

- **3:30 PM**
  - Winthrop: 47
  - Doyon: 47

Locations:
- **Winthrop**
- **Doyon**
## APPROXIMATE MODE SPLIT (NOT FINAL)

### Morning Drop-Off

- **Winthrop**
  - Drop off on school property: 186
  - Drop off outside the school: 115
  - Walk/bike: 44
  - Other: 16

- **Doyon**
  - Drop off on school property: 262
  - Drop off outside the school: 137
  - Walk/bike: 0
  - Other: 17

### Afternoon Pickup

- **Winthrop**
  - Pickup on school property: 154
  - Drop off outside the school: 146
  - Walk/bike: 48
  - Other: 13

- **Doyon**
  - Pickup on school property: 225
  - Drop off outside the school: 177
  - Walk/bike: 0
  - Other: 1
KEY AREAS OF FOCUS GOING FORWARD

- Queue management
- Pick-up / drop-off operations
- Separation of parent vehicles and busses
- Parking shortfall
- Physical roadway improvement needs
- Consideration of vehicular traffic reductions