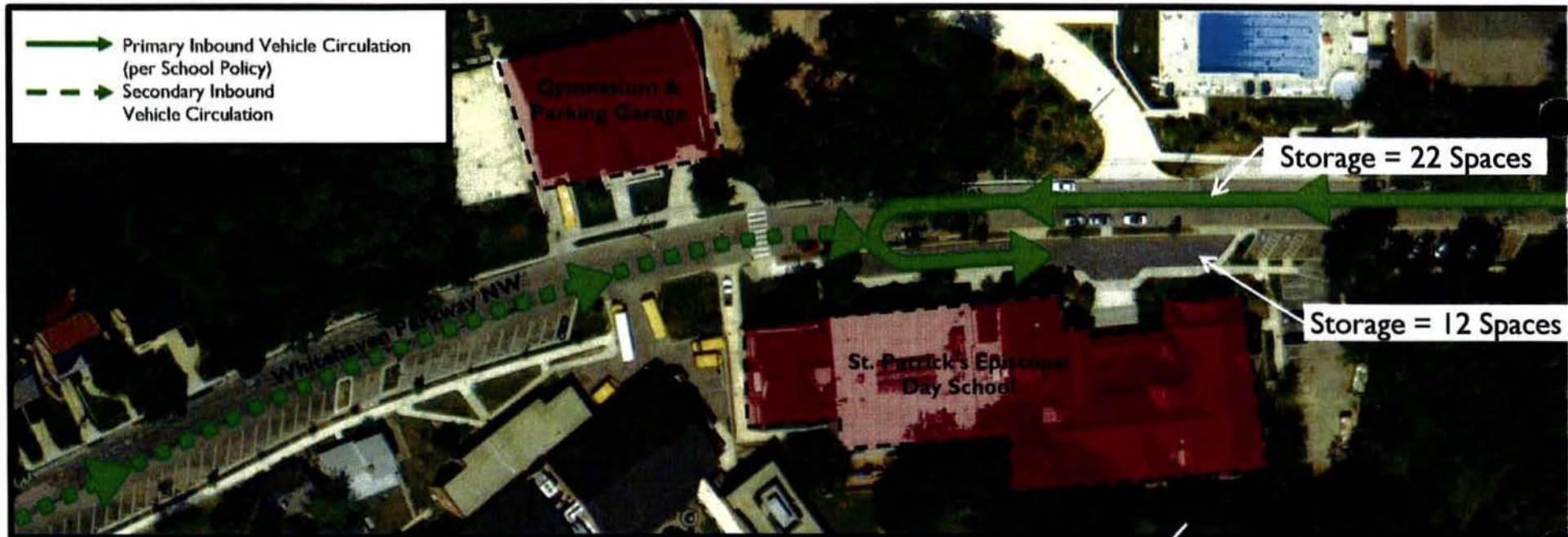


Existing Site Circulation

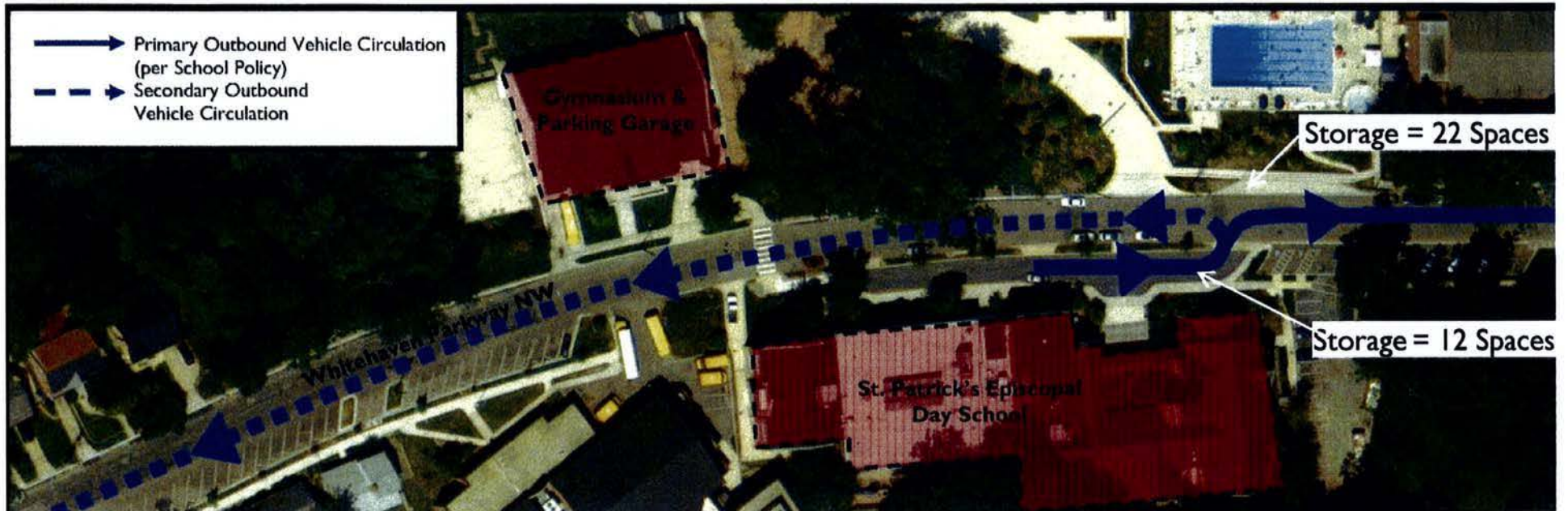


Inbound Circulation

BOARD OF ZONING ADJUSTMENT
District of Columbia
CASE NO. 18465
EXHIBIT NO. 41

DEC 11

Existing Site Circulation



Outbound Circulation

Trip Generation

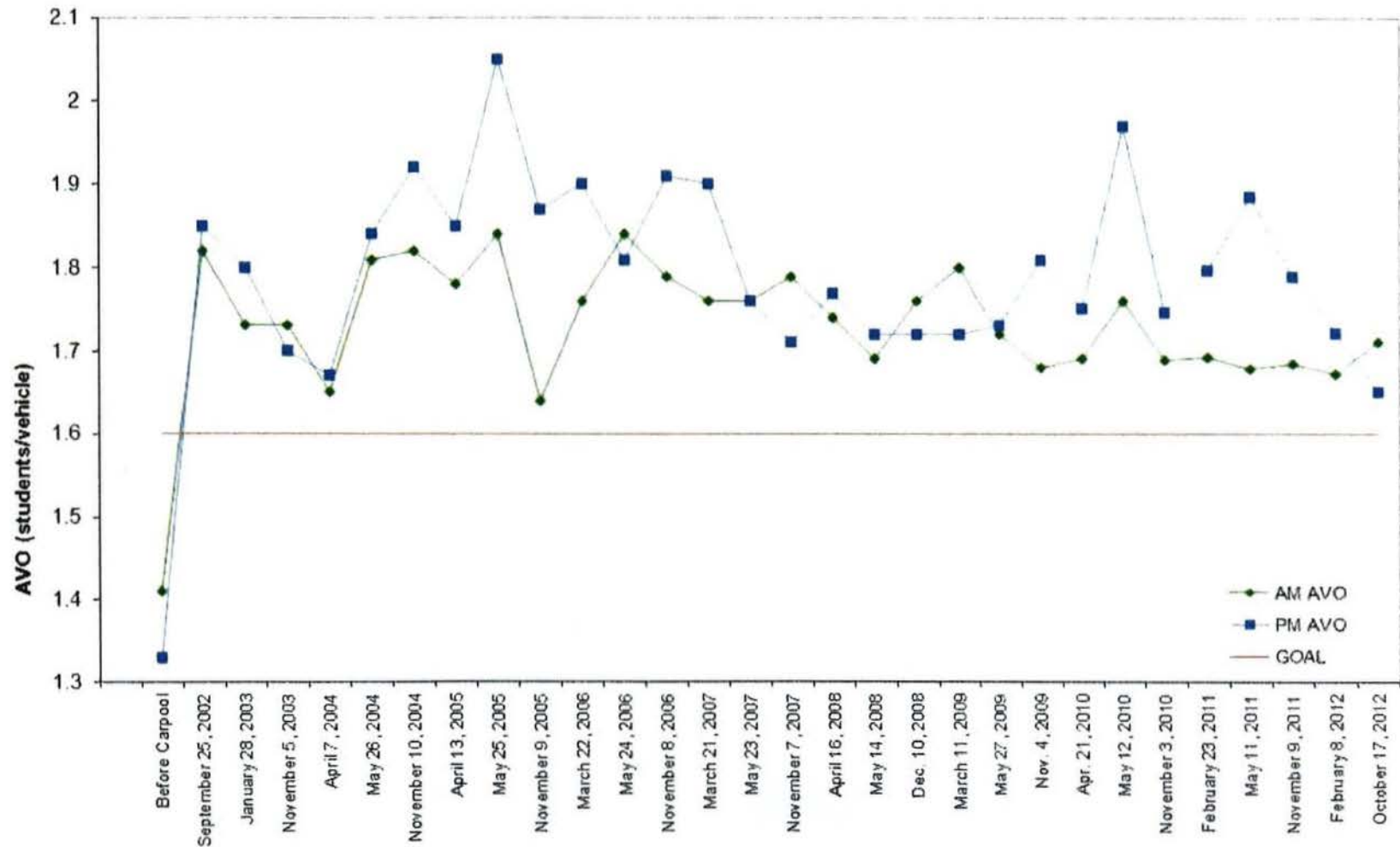
Peak Hour	AM Peak			PM School Peak			PM Peak		
	In	Out	Total	In	Out	Total	In	Out	Total
Existing Trips	264	264	528	150	150	300	72	72	144
Proposed Trips	13	13	26	7	7	14	4	4	8
New Total Trips	277	277	554	157	157	314	76	76	152

Carpool Initiative

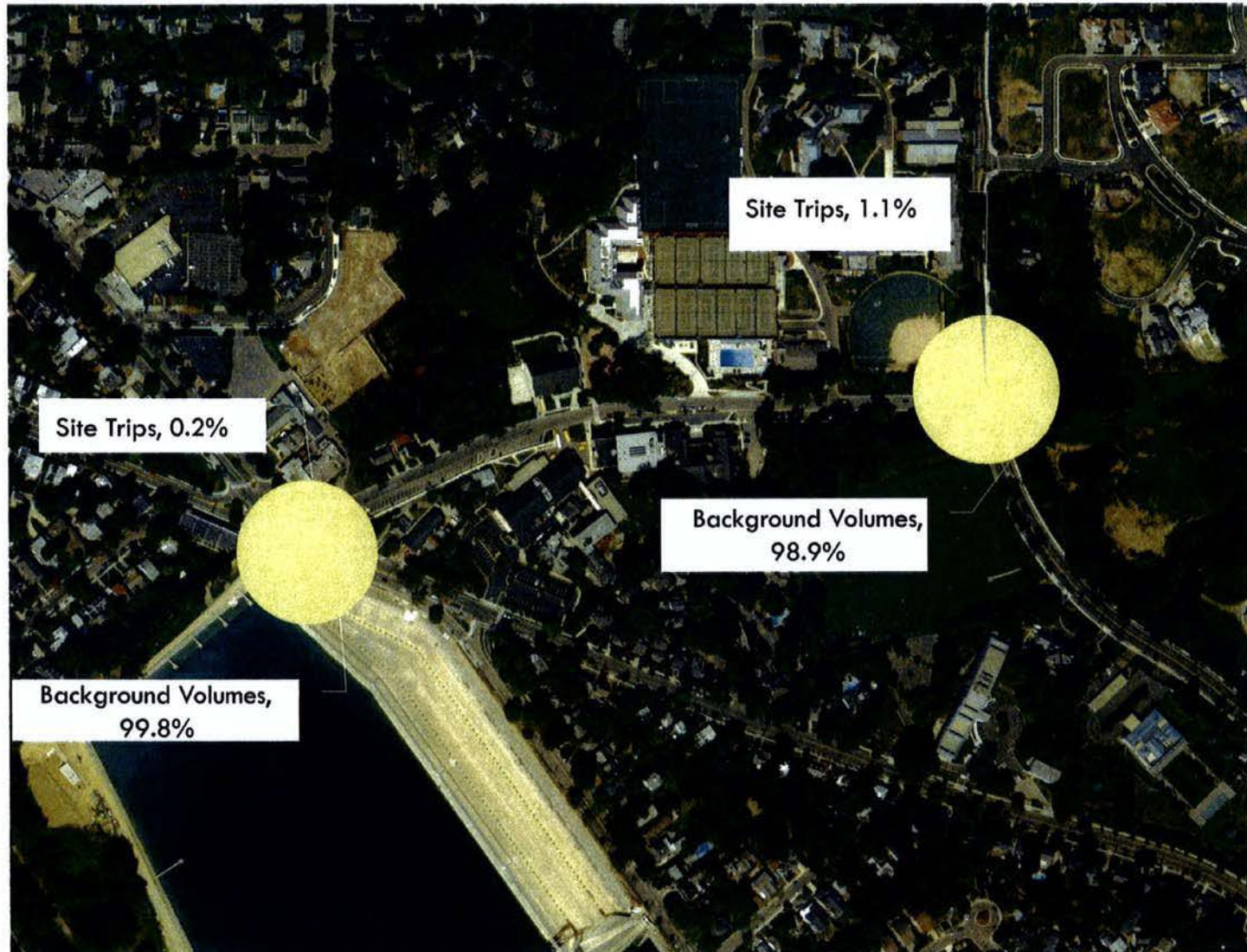
- ❑ Implemented in September 2002, the Carpool Initiative includes:
 - ❑ Access to an interactive map to help identify potential carpools
 - ❑ Community education
 - ❑ Marketing
 - ❑ Preferential dismissal times
 - ❑ Financial incentives
 - ❑ On-going monitoring
- ❑ Goal was set at 1.6 students per vehicle during the AM and PM peak hours
- ❑ Goal has consistently been met or exceeded each time it has been measured
- ❑ Latest AVO evaluation achieved a 1.71 AVO during the AM peak and a 1.65 AVO during the PM peak

Carpool Initiative – Results

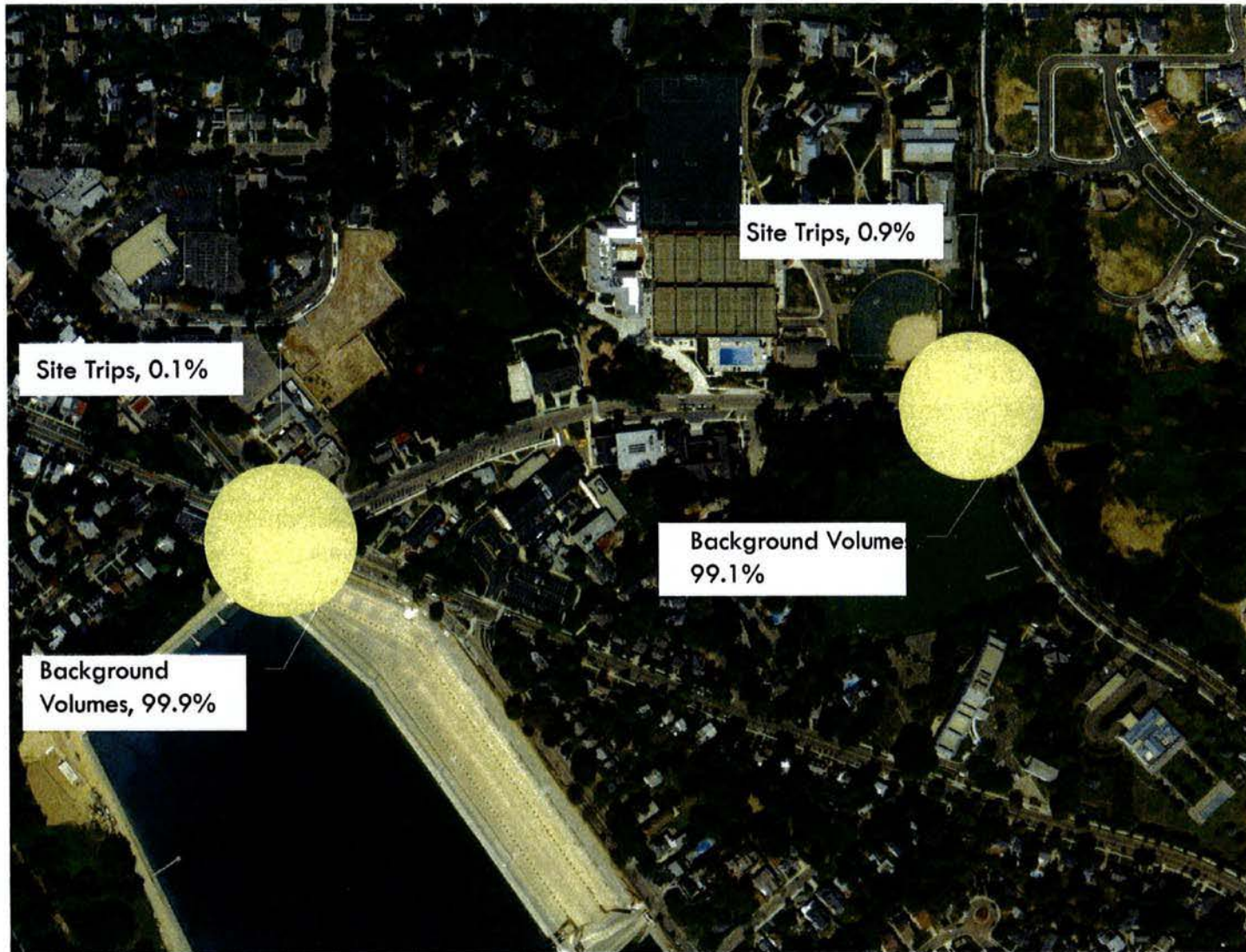
Historical AVO Measurements (2000 to 2012)



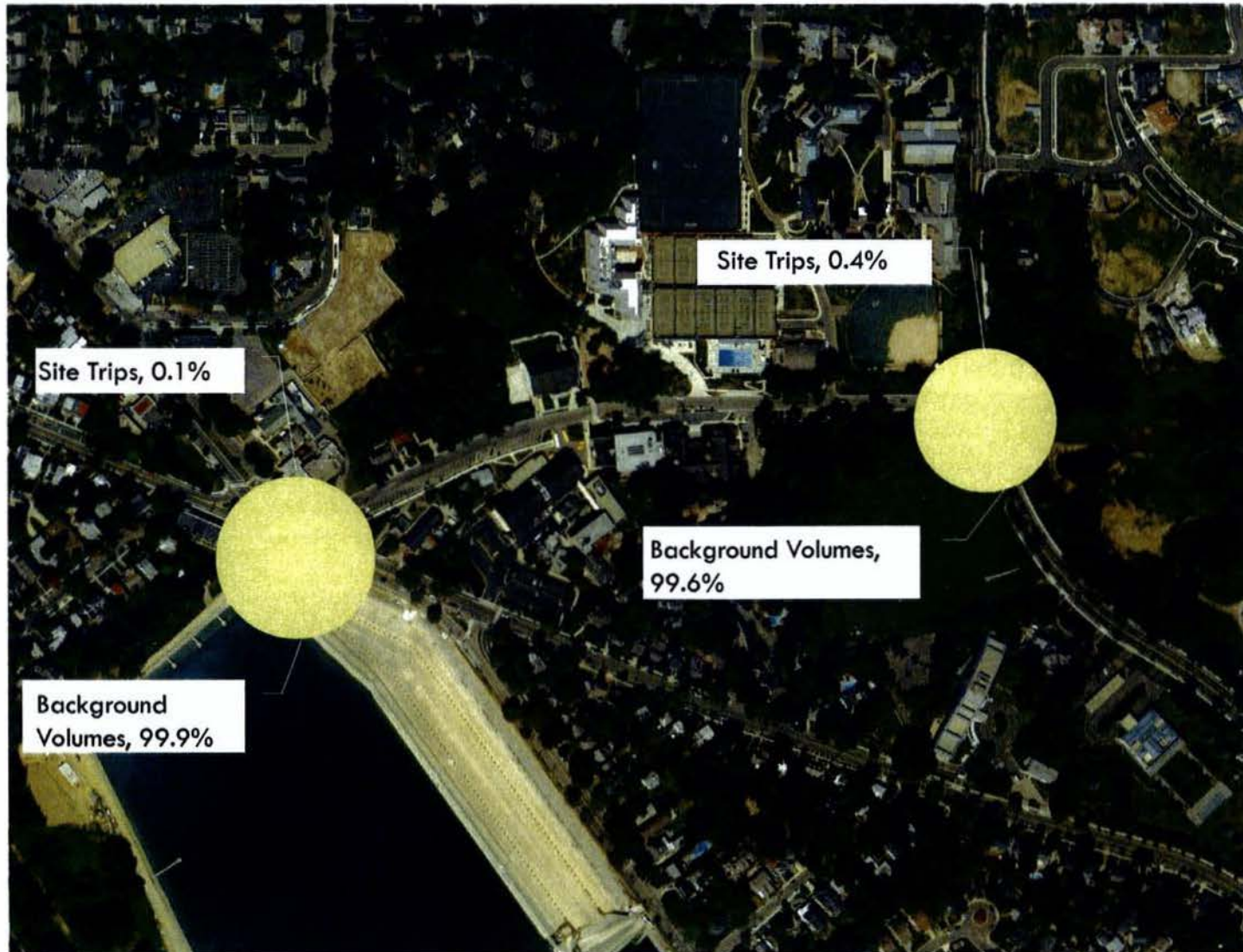
Proportional Impact – AM Peak



Proportional Impact – PM School Peak



Proportional Impact – PM Peak



Conclusions & Recommendations

- ❑ The proposed increased in student enrollment would not have an adverse impact on the surrounding roadway network
- ❑ The additional vehicles generated by the increased enrollment can be adequately accommodated in the drop-off/pick-up operation
- ❑ The additional vehicles would have minimal impact at the two adjacent intersections and could be offset by signal timing optimization at the Foxhall Road/Whitehaven Parkway intersection
- ❑ As requested by DDOT, the school will:
 - Close the pedestrian ramp on the Whitehaven Parkway lay-by lane
 - Install at least one inverted U bicycle rack near the main building entrance
 - Install at least 5 inverted U bicycle racks in the garage.