

**TRAFFIC GENERATION ANALYSIS
DURHAM SCHOOL SERVICES DISPATCH CENTER
440A & 442A NORTH PEARL STREET
ALBANY, NY**

Durham School; Services proposes to store up to 46 buses on this site. Although current contracts require approximately 24 - 30 buses, to prepare for maximum use we have prorated current uses to consider that 40 buses will be used to allow for out of service vehicles and spares would be in service. Rather than rely on ITE Trip Generation Manual we have created a Traffic Generation Analysis using actual times for existing contracts and increased the trips based upon an expansion of services. Although a few trips would take place around noon for ½ day programs and some evening arrivals from trips, these were not analyzed as they would be minimal.

Morning arrivals and departures of bus drivers (Highlighted is peak hours of adjacent road traffic)

Time Period	No. of Trip ends arriving	No. of Trip ends departing
6:00 AM – 6:30 AM	15	
6:30 AM – 7:00 AM	13	
7:00 AM – 7:30 AM	12	
8:30 AM– 9:00 AM		20
9:00 AM – 9:30 AM		20

Morning departures and return of buses (Highlighted is peak hours of adjacent road traffic)

Time Period	No. of Trip ends arriving	No. of Trip ends departing
6:00 AM – 6:30 AM		15
6:30 AM – 7:00 AM		13
7:00 AM – 7:30 AM		12
8:30 AM– 9:00 AM	20	
9:00 AM – 9:30 AM	20	

Afternoon departures and return of buses of buses (Highlighted is peak hours of adjacent road traffic)

Time Period	No. of Trip ends arriving	No. of Trip ends departing
1:30 PM – 2:00 PM		15
2:00 PM– 2:30 PM		17
2:30 PM 3:00 PM		8
3: 30 PM– 4:30 PM	12	
4:30 PM – 5:30 PM	18	
5:30 PM – 6:00 PM	10	

Afternoon arrivals and departures of bus drivers (Highlighted is peak hours of adjacent road traffic)

Time Period	No. of Trip ends arriving	No. of Trip ends departing
1:30 PM – 2:00 PM	15	
2:00 PM– 2:30 PM	17	
2:30 PM 3:00 PM	8	
3: 30 PM– 4:30 PM		12
4:30 PM – 5:30 PM		18
5:30 PM – 6:00 PM		10

SUMMARY OF TRIP GENERATION

Time Period	Total Trip Ends	No. of Trip ends arriving	No. of Trip ends departing
6:00 AM – 6:30 AM	30	15	15
6:30 AM – 7:00 AM	26	13	13
7:00 AM – 7:30 AM	24	12	12
8:30 AM– 9:00 AM	40	20	20
9:00 AM – 9:30 AM	40	20	20
1:30 PM – 2:00 PM	30	15	15
2:00 PM– 2:30 PM	34	17	17
2:30 PM 3:00 PM	16	8	8
3: 30 PM– 4:30 PM	24	12	12
4:30 PM – 5:30 PM	36	18	18
5:30 PM – 6:00 PM	20	10	10

Total daily trip ends total 320. Of these 40 trip ends occur during the AM peak hour of adjacent roads with 20 arriving and 20 departing. Of these 36 trip ends occur during the PM peak hour of adjacent roads with 18 arriving and 18 departing.