

Circulation Conditions



Traffic

- Peak hours:
 - 7:45 AM to 8:45 AM
 - 5:30 PM to 6:30 PM
- 2:1 split in traffic volumes toward Route 1 in morning, and from Route 1 in evening



Levels of Service

	AM	PM
Alexander Rd & Vaughn Dr	D	C
Hightstown Rd & Wallace/Cranbury Rd	B	E
Hightstown Rd & Alexander Rd	B	E
Alexander Rd & Wallace Rd	f	a
Washington Rd & Hightstown Rd (northern)	a	a
Washington Rd & Hightstown Rd (southern)	a	f

NJ Transit NEC

- NJ Transit NEC
 - Daily boardings at Princeton Junction of 7,020
 - Highest AM boardings: 490 passengers at 8:20 AM
 - Highest PM deboardings: 544 passengers at 6:59 PM
- Dinky Line
 - Daily boardings at Princeton Junction of 926
 - Highest boardings per trip: 55 passengers in AM, PM peak hours
 - 50/50 directional split

Mode Split

- 22% of West Windsor residents take rail to work
 - 7% of Mercer County residents take rail
 - 10% of New Jersey residents take rail
- 1.2% of West Windsor residents walk, and .2% bicycle

Parking

- 3,709 parking spaces at train station
 - NJT permit parking – 1,614
 - NJT pay-by-day - 997
 - WW permit parking – 935
 - On-street & private – 163
- Long waiting lists for permits:
 - NJ Transit lots – 4,075 persons, or 5 years
 - Wallace Rd lot – 2,222 persons, or 8 years
 - Vaughn Drive lot – 876 persons, or 3 years

Planned Projects

- Penns Neck EIS
 - Vaughn Drive Connector
- Alexander Road Bridge
- Route 571 Corridor Planning Study
 - 12 ft. through lanes
 - 14 ft. two-way left turn lane
 - 6 ft. bike lanes
 - 4 ft. sidewalks
 - 10 ft. planting strip
- Route 1 BRT
 - Up to 4,300 daily trips at Princeton Junction projected
 - Different scenarios for Dinky under consideration

Benefits of TOD's

- Increase use of transit
 - In NJ TOD's, residents commuting by rail
- Increase walking and bicycling
- Reduce vehicular trips by 10% or more
- Reduce parking demand by 10-20% or more



The “Three D’s”

Transit ridership directly increases with:

- Density
 - More housing units per acre
- Diversity
 - More retail and service jobs per acre
- Design
 - Smaller block size

