* 1. Intersection arrival. New Vehicle arrives at intersection from Lane. Dequeue Lane and set Intersection as occupied (IS.occupied = true).
  2. Intersection departure. Vehicle leaves Intersection into Lane, and next Vehicle in queue enters the Intersection. Enqueue arriving Lane and set Intersection as empty (IS.occupied = false).
  3. Parking lot departure. Vehicle leaves Parking Lot and enters Lane. Dequeue Parking Lot, Enqueue arriving Lane, determine Vehicle direction (randomly) and set the Vehicle’s starting time.
  4. Interstate arrival. Vehicle merges into interstate from Lane. Dequeue Lane and schedule the next Vehicle’s merge.
  5. Pedestrian traffic. Used at Intersection, Vehicles wait while pedestrians cross the road.
  6. External car traffic. Vehicles wait at Intersection while external car traffic crosses it.