Seven modes: DriveAlone, drivePass, Pass, busWalk, parkAndRideBus, bike, walk.

Four purpose: HBW, HBS, HBR and HBO.

Two time period: peak and offpeak.

For each mode, I use total trip (lowIncom + midIncome + highIncome) to calculate average travel time.

For bike and walk, I use distance commute to calculate trip time for HBW, and use distance non-commute to calculate trip time for HBS, HBR and HBO.

For driveAlone, there are two time period: peak and offpeak. I use ivTimepeak and walkTime as trip time for peak period, and use ivTimepeak for offpeak period.

For drivePass and Pass, there is only difference in walkTime between driveAlone. According to Metro 2013 Trip-Based Travel Demand Model Mehtodology:

WalkTime = Walk time, by mode:

Drive Alone: vehicle egress at trip end (5 min in CBD, 2 min elsewhere)

Shared Ride: Drive Alone walk time plus 5 minutes

Transit Modes: access to first stop plus egress from last stop at 3 mph

Thus, walkTime for drivePass and Pass equals to Drive Alone walk time plus 5 minutes.

For busWalk and parkAndRideBus, there are also two time periods, but there is no difference between two transit modes. I use ivTimepeak, waitTimeApeak, waitTimeBpeak and walkTimepeak to calculate trip time for peak, and ivTimeoffpeak, waitTimeAoffpeak, waitTimeBoffpeak and walkTimeoffpeak to calculate trip time for off peak.