Detector accuation (is individual detector )

to confirm things in detector aggregate

Accution time on, when ithit detector

All vehicles before simulation time do not count in performance measure

3600/headway =

Percent follower – headway of 2.5 secs or less

-look for first vehicle (if headway is less than or equal 2.5 put 1, otherwise 0)

-sum the 1’s

-number of vehicle that meet criteria

- divide numer of vehicles/ by total then multiply by 100

Follower density : number of followers per mile per lane –will be less than regular density

Percent follower x density (flowrate/average speed)

divide numer of vehicles/ by total number of vehs

give description, give definition—then give steps in order of how to verify

detector data processor : unzip for twelve files run .exe

---------- Project setup

30 min run – multiple vol counts by 2

Individual detector actuation file: : Detector Aggregate Measure for the particular link

Check number of vehicles after warmup time – row function in excel will return number

Only use values that are in simulation time (when performance measure begin to be recorded)

To get flowrate from detector aggregate: 3600/avg headway – in seconds (do not use headway value to calculate flowrate, rounding will make numbers different)

Compare headway in detector aggregate to link\_lane\_detector – will not be exactly same because of the first headway (remove the first headway in link\_lane\_detector

Column L = percent followers (link\_lane\_detector)

Follower = vehicle following with a headway of 2.5 seconds or less

To check for this in Link\_lane\_detector --- use if statement =if headways <= 2.5 ,1 , 0

-then sum total of ones to check and see total number--- divide number by total number of vehicles, multiply b 100 to get percent

Follower density is the percent followers(proportion) X density (flowrate / avg speed)