



**Highway Factors Attachment 3 – Speed and Vehicle Classification Study for Talley Road
performed by the City of Chattanooga**

Chattanooga, TN

HWY17MH009

(2 pages)

**MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Chattanooga
Street: Talley Rd (318 blk)**

A study of vehicle traffic was conducted with the device having serial number 303248. The study was done in the SB lane at Talley Rd (318 blk) in Chattanooga, TN in Hamilton county. The study began on 12/01/2016 at 12:00 AM and concluded on 12/02/2016 at 12:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 60 minute time periods. The total recorded volume showed 1588 vehicles passed through the location with a peak volume of 167 on 12/01/2016 at [17:00-18:00] and a minimum volume of 7 on 12/01/2016 at [01:00-02:00]. The AADT count for this study was 1,588.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 20 - 25 MPH range or lower. The average speed for all classified vehicles was 26 MPH with 25.68% vehicles exceeding the posted speed of 30 MPH. 0.29% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 20MPH and the 85th percentile was 34.40 MPH.

<	10	15	20	25	30	35	40	45	50	55	60	65	70						
to	to	to	to	to	to	to	to	to	to	to	to	to	to						
9	14	19	24	29	34	39	44	49	54	59	64	69	>						
30	53	36	441	207	125	75	39	16	7	0	2	1	0						

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 594 which represents 58 percent of the total classified vehicles. The number of Vans & Pickups in the study was 341 which represents 33 percent of the total classified vehicles. The number of Busses & Trucks in the study was 43 which represents 4 percent of the total classified vehicles. The number of Tractor Trailers in the study was 54 which represents 5 percent of the total classified vehicles.

<	18	21	24	28	32	38	44												
to	to	to	to	to	to	to	to												
17	20	23	27	31	37	43	>												
594	270	71	34	9	5	5	44												

CHART 2

HEADWAY

During the peak traffic period, on 12/01/2016 at [17:00-18:00] the average headway between vehicles was 21.429 seconds. During the slowest traffic period, on 12/01/2016 at [01:00-02:00] the average headway between vehicles was 450 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 32.00 and 32.00 degrees F.