

4.2.2 Hourly Distribution

The hourly distribution is used to determine what periods have the highest volumes, and thus to define peak and off-peak hours. Table 4.1 shows the existing hourly distribution for the eastern and western segments of C-470. Table shows that the AM and PM peak hours last approximately 1.5 and 3 hours, respectively.

Table 4.1
Existing Hourly Distribution

Hour	EB	WB	AM Peak Percents		PM Peak Percents		Peak Periods
			EB	WB	EB	WB	
6:00 AM	5,401	6001	82.5	83.9			
7:00 AM	6,545	7154	100.0	100.0			AM Peak
8:00 AM	5,353	5946	81.8	83.1			
9:00 AM	3,916	4755	59.8	66.5			
10:00 AM	3,824	4533	58.4	6.4			
11:00 AM	4,079	4838	62.3	67.6			
12:00 PM	3,896	4875	59.5	68.1			
1:00 PM	3,937	5103			60.7	64.8	
2:00 PM	4,446	5743			68.6	73.0	
3:00 PM	4,929	7187			76.0	91.3	PM Peak
4:00 PM	5,932	7871			91.5	100.0	PM Peak
5:00 PM	6,485	7305			100.0	92.8	PM Peak
6:00 PM	4,839	6083			74.6	77.3	
7:00 PM	3,281	3877			50.6	49.3	

4.2.3 Vehicle Classification

To determine the percentages of cars and trucks along the corridor, vehicle classification data were collected along C-470. The classification counts, conducted in three locations along the corridor in June 2003, indicate that a maximum volume of 92 trucks travel the corridor during the AM peak hours 7:00 a.m. to 9:00 a.m. and 50 travel during the PM peak hours 5:00 p.m. to 7:00 p.m. Truck volumes in the three locations are shown in Table 4.2.

Table 4.2
Heavy Vehicle Volumes along C-470

Truck Volumes	AM			PM		
	South of Hampden	North of Hampden	East of Santa Fe	South of Hampden	North of Hampden	East of Santa Fe
Dir 1- WB/NB	70	78	61	50	49	25
Dir 2 – EB/SB	86	92	54	20	27	40