

4.2.4 Travel Time Observations

Manual and automated travel time observations from I-25 to I-70 were completed as part of this study. Manual travel time observations consisted of a driver beginning at one end of the corridor and recording the time required to reach each subsequent interchange during the AM and PM peak hours. The average travel speed, number of stops, and total delay for each section were also recorded. Two runs in each direction during each peak hour on different days were performed to provide a sample representation of average conditions. The second type of travel time observation was completed with the aid of strategically mounted antennas similar to those used at electronic toll collection zones. Each antenna records arrival times of drivers with Express Toll transponders, allowing the calculation of an overall trip time. With the exception of one run, the average travel time in each direction ranged from 9 to 13 minutes, with an overall speed of around 60 mph. The AM and PM peak hour travel time observations are noted in Table 4.3.

Table 4.3
Summary of AM Travel Time Observations (sec)

Node Name	Length (feet)	Run #1 AM WB	Run #2 AM WB	Run #1 AM EB	Run #2 AM EB
I-25	0	0	0	0	0
Yosemite Street	1584	20	20	36	35
Quebec Street	7498	83	85	155	148
Colorado Boulevard	10718	122	125	216	211
University Boulevard	5333	80	82	103	98
Broadway	7603	112	117	161	156
Lucent Boulevard	6389	90	95	93	91
Santa Fe Drive	7392	111	116	131	126
Platte Canyon Road	16315	124	128	187	181
Wadsworth Boulevard	8026	123	130	187	180
Kipling Parkway	7762	107	108	163	160
Ken Caryl Avenue	11880	172	179	127	121
Bowles Avenue	12038	178	180	131	128
Belleview Avenue	5280	161	163	76	74
US 285	5861	73	75	79	76
Morrison Road	7656	99	101	84	81
I-70	20909	289	297	216	206
Total (Minutes)		32	33	36	35