

Spring 2024 Link (by link type) $\alpha = 0.15$ and $\beta=4.0$	Length d	Observed Flow			Time (bpr)	VMT d*x	VHT x*t(x)/60	Average Speed VMT/VHT	Density	LOS
		Volume x	Capacity c	Time t(x)						
Units	(miles)	(vph)	(vph)	(min.)	(min.)	(veh-mi.)	(veh-hrs)	(mph)	(vpm)	(A-F)
1. Freeway:	60.00	Speed (min/mile) =			1.00					
sub-total										
2. Primary Arterial:	60.00	Speed (min/mile) =			1.00					
sub-total										
3. Major Arterial:	45.00	Speed (min/mile) =			1.33					
sub-total										
4. Minor Arterial:	45.00	Speed (min/mile) =			1.33					
8 to 205 CHANGE	0.25	800	600	0.33	0.49	200	6.49	30.84	25.94	C
150 to 7	0.50	800	600	0.67	0.99	400	13.17	30.38	26.34	D
7 to 150	0.50	1000	600	0.67	1.45	500	24.09	20.75	48.18	F
205 to 8 CHANGE	0.50	900	600	0.67	1.18	450	17.68	25.45	35.36	E
sub-total						1550	61.43	25.23		
5. Collector Street:	30.00	Speed (min/mile) =			2.00					
305 to 310 Mtn@1st	0.50	200	600	1.00	1.00	100	3.34	29.94	6.68	A
310 to 210 1st	1.00	200	600	2.00	2.00	200	6.68	29.94	6.68	A
205 to 210 Mias	0.50	800	600	1.00	1.47	400	19.65	20.35	39.31	E
210 to 220 Mias	1.00	900	600	2.00	3.52	900	52.78	17.05	52.78	F
210 to 110 1st	1.00	200	600	2.00	2.00	200	6.68	29.94	6.68	A
220 to 210 Mias	1.00	1000	600	2.00	4.31	1000	71.91	13.91	71.91	F
210 to 205 Mias	0.50	900	600	1.00	1.76	450	26.39	17.05	52.78	F
110 to 210 1st	1.00	300	600	2.00	2.02	300	10.09	29.72	10.09	A
210 to 310 1st	1.00	300	600	2.00	2.02	300	10.09	29.72	10.09	A
310 to 305 Mtn	0.50	300	600	1.00	1.01	150	5.05	29.72	10.09	A
sub-total						4000	212.67	18.81		
6. Local Street:	15.00	Speed (min/mile) =			4.00					
310 to 320 Mtn	1.00	100	300	4.00	4.01	100	6.68	14.97	6.68	A
220 to 230 Mias	1.00	1000	300	4.00	78.07	1000	1301.23	0.77	1301.23	A
240 to 250 Mias	1.00	100	300	4.00	4.01	100	6.68	14.97	6.68	B
220 to 122 2nd	0.50	200	300	4.00	4.12	100	13.73	7.28	27.46	B
122 to 120 2nd	0.50	200	300	2.00	2.06	100	6.86	14.57	13.73	B
230 to 132 3rd	0.50	800	300	2.00	17.17	400	228.94	1.75	457.88	F
132 to 130 3rd	0.50	900	300	2.00	26.30	450	394.50	1.14	789.00	F
240 to 142 4th	0.50	200	300	2.00	2.06	100	6.86	14.57	13.73	B
142 to 140 4th	0.50	200	300	2.00	2.06	100	6.86	14.57	13.73	B
250 to 152 5th	0.50	200	300	2.00	2.06	100	6.86	14.57	13.73	B
152 to 150 5th	0.50	200	300	2.00	2.06	100	6.86	14.57	13.73	B
110 to 115 CH	0.50	100	300	2.00	2.00	50	3.34	14.97	6.68	A
115 to 120 CH	0.50	100	300	2.00	2.00	50	3.34	14.97	6.68	A
120 to 125 CH	0.50	100	300	2.00	2.00	50	3.34	14.97	6.68	A
125 to 130 CH	0.50	100	300	2.00	2.00	50	3.34	14.97	6.68	A
130 to 140 CH	1.00	1100	300	4.00	112.45	1100	2061.62	0.53	2061.62	F
140 to 145 CH	0.50	1000	300	2.00	39.04	500	650.62	0.77	1301.23	F
145 to 150 CH	0.50	1000	300	2.00	39.04	500	650.62	0.77	1301.23	F
320 to 310 Mtn	1.00	100	300	4.00	4.01	100	6.68	14.97	6.68	C
230 to 220 Mias	1.00	1000	300	4.00	78.07	1000	1301.23	0.77	1301.23	C
250 to 240 Mias	1.00	100	300	4.00	4.01	100	6.68	14.97	6.68	B
122 to 220 2nd	0.50	200	300	2.00	2.06	100	6.86	14.57	13.73	B
120 to 122 2nd	0.50	300	300	2.00	2.30	150	11.50	13.04	23.00	C

132 to 230 3rd	0.50	900	300	2.00	26.30	450	394.50	1.14	789.00	B
130 to 132 3rd	0.50	800	300	2.00	17.17	400	228.94	1.75	457.88	A
142 to 240	0.50	300	300	2.00	2.30	150	11.50	13.04	23.00	C
140 to 142	0.50	200	300	2.00	2.06	100	6.86	14.57	13.73	B
152 to 250	0.50	300	300	2.00	2.30	150	11.50	13.04	23.00	C
150 to 152	0.50	200	300	2.00	2.06	100	6.86	14.57	13.73	B
115 to 110	0.50	300	300	2.00	2.30	150	11.50	13.04	23.00	C
120 to 115	0.50	300	300	2.00	2.30	150	11.50	13.04	23.00	C
125 to 120	0.50	200	300	2.00	2.06	100	6.86	14.57	13.73	B
130 to 125	0.50	200	300	2.00	2.06	100	6.86	14.57	13.73	B
140 to 130	1.00	1300	300	4.00	215.56	1300	4670.53	0.28	4670.53	F
145 to 140	0.50	1200	300	2.00	78.80	600	1576.00	0.38	3152.00	F
150 to 145	0.50	1200	300	2.00	78.80	600	1576.00	0.38	3152.00	F
sub-total						6850	7089.75	0.97		
7. Other Links:		Speed (min/mile) =								
sub-total										
8. Ramps:	30.00	Speed (min/mile) =		2.00						
sub-total										
9. Centroid Connector	25.00	Speed (min/mile) =		2.40						
sub-total										
Grand Total:						12400	7363.85	1.68		
Notes:	(a-e)	NA		NA		(a-f)	(a-f)	$\sum vmt/\sum vht$		NA

Note: This version (Spr '24) uses congested speeds via BPR function in calculations