

# **Appendix 5**

## **Link Type and Capacity Tables**

**MATS Link Codes, Capacities, and Coded Speeds**

Link Group 1 = Functional Classification and Cross-section (# lanes)

Link Group 2 = Land Use Code

- 1 = Undeveloped (Activity Index < .5/Ac.)
- 2 = Suburban (Activity Index >= .5 and < 2.5/Ac.)
- 3 = Urban (Activity Index >= 2.5 and < 10.0/Ac.)
- 4 = Activity Center (Activity Index >= 10.0 and < 30.0/Ac.)
- 5 = CBD (Activity Index >= 30.0/Ac.)

Link Group 3 = Capacity Flag

- Indicates Lane Width for Arterials:
  - 1 = lanes >= 10' wide
  - 2 = lanes < 10' wide
- Indicates Posted Speed for Freeways:
  - 0 = 55 mph
  - 1 = 65 mph
  - 2 = 70 mph

**LOS D Directional Capacity (vpd) and Coded Speeds**

	Posted Speed (LG3)	Coded Speed	# Lanes (each direction)						
			1	2	3	4	5	6	
Freeway	55	52		12	13	14	15	16	<-- LG1
	60	57		27800	40200	53700	67100	80500	
	65	61		28900	41300	55100	68800	82500	
	70	67		31000	44400	59300	74000	88700	
Ramps		45	91	92	93				<-- LG1
			11000	22000	33000				

**Arterials (LG1/standard/narrow lanes)**

Undeveloped areas (LG2 = 1)

*Divided or center turn lane-*

Prin Arterial w/ Access Control	52		25/23500/ NA	27/35300/ NA	29/47000/ NA
Principal Arterial	45	33/10300/9600	35/20500/19000	37/30800/28600	39/41000/38100
Minor Arterial	40	43/9200/8500	45/18200/16900	47/27400/25500	49/36400/33900
Collector	37	53/8100/7500	55/16000/14800	57/23900/22300	

*Undivided-*

Principal Arterial	45	32/9300/8700	34/18700/17400	36/28000/26000	
Minor Arterial	40	42/8300/7700	44/16700/15500	46/24900/23200	
Collector	37	52/7200/6700	54/14600/13500	56/21800/20200	
<i>One Way-</i>					
Principal Arterial	45		62/22700/21000	63/34000/31500	
Minor Arterial	40		72/20200/18600	73/30200/28000	
Collector	37		82/17600/16400	83/26500/24500	

*Intrazonal/TAZ Connectors*

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Suburban areas (LG2 = 2)

*Divided or center turn lane-*

Prin Arterial w/ Access Control	47		25/21100/ NA	27/31700/ NA	29/42200/ NA
Principal Arterial	42	33/9200/8600	35/18300/17000	37/27500/25600	39/36600/34000
Minor Arterial	37	43/8200/7600	45/16300/15100	47/24400/22800	49/32500/30300
Collector	32	53/7200/6700	55/14300/13300	57/21400/19900	

*Undivided-*

Principal Arterial	42	32/8300/7800	34/16700/15500	36/25000/23300	
Minor Arterial	37	42/7400/6900	44/14900/13800	46/22300/20700	
Collector	32	52/6400/6000	54/13000/12100	56/19400/18100	
<i>One Way-</i>					
Principal Arterial	42		62/20300/18800	63/30400/28100	
Minor Arterial	37		72/18000/16600	73/27000/25000	
Collector	32		82/15800/14600	83/23600/21900	

*Intrazonal/TAZ Connectors*

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Urban areas (LG2 = 3)

*Divided or center turn lane-*

Prin Arterial w/ Access Control	38		25/21100/ NA	27/31700/ NA	29/42200/ NA
Principal Arterial	33	33/9200/8600	35/18300/17000	37/27500/25600	39/36600/34000
Minor Arterial	30	43/8200/7600	45/16300/15100	47/24400/22800	49/32500/30300
Collector	27	53/7200/6700	55/14300/13300	57/21400/19900	

	Coded Speed	# Lanes (each direction)			
		1	2	3	4
Urban areas (continued)					
<i>Undivided-</i>					
Principal Arterial	33	32/8300/7800	34/16700/15500	36/25000/23300	
Minor Arterial	30	42/7400/6900	44/14900/13800	46/22300/20700	
Collector	27	52/6400/6000	54/13000/12100	56/19400/18100	
<i>One Way-</i>					
Principal Arterial	33		62/20300/18800	63/30400/28100	
Minor Arterial	30		72/18000/16600	73/27000/25000	
Collector	27		82/15800/14600	83/23600/21900	
<i>Intrazonal/TAZ Connectors</i>	24				
Activity Centers (LG2 = 4)					
<i>Divided or center turn lane-</i>					
Prin Arterial w/ Access Control	32		25/18500/ NA	27/27800/ NA	29/37000/ NA
Principal Arterial	27	33/8100/7500	35/16100/15000	37/24200/22500	39/32200/29900
Minor Arterial	24	43/7200/6700	45/14300/13300	47/21500/20000	49/28600/26600
Collector	21	53/6300/5900	55/12500/11700	57/18800/17500	
<i>Undivided-</i>					
Principal Arterial	27	32/7300/6800	34/14700/13600	36/22000/20500	
Minor Arterial	24	42/6500/6100	44/13100/12200	46/19600/18200	
Collector	21	52/5700/5300	54/11400/10600	56/17100/15900	
<i>One Way-</i>					
Principal Arterial	27		62/17800/16500	63/26700/24800	
Minor Arterial	24		72/15800/14600	73/23800/22000	
Collector	21		82/13900/12900	83/20800/19300	
<i>Intrazonal/TAZ Connectors</i>	18				
Central Business District (LG2 = 5)					
<i>Divided or center turn lane-</i>					
Prin Arterial w/ Access Control	27		25/16700/ NA	27/25100/ NA	29/33400/ NA
Principal Arterial	21	33/7300/6800	35/14500/13500	37/21800/20200	39/29000/26900
Minor Arterial	18	43/6500/6000	45/12900/12000	47/19400/18000	49/25700/24000
Collector	15	53/5700/5300	55/11300/10500	57/16900/15700	
<i>Undivided-</i>					
Principal Arterial	21	32/6600/6100	34/13200/12300	36/19800/18400	
Minor Arterial	18	42/5800/5400	44/11800/10900	46/17600/16400	
Collector	15	52/5100/4800	54/10300/9600	56/15400/14300	
<i>One Way-</i>					
Principal Arterial	21		62/16000/14900	63/24100/22300	
Minor Arterial	18		72/14300/13200	73/21400/19800	
Collector	15		82/12500/11600	83/18700/17300	
<i>Intrazonal/TAZ Connectors</i>	12				