

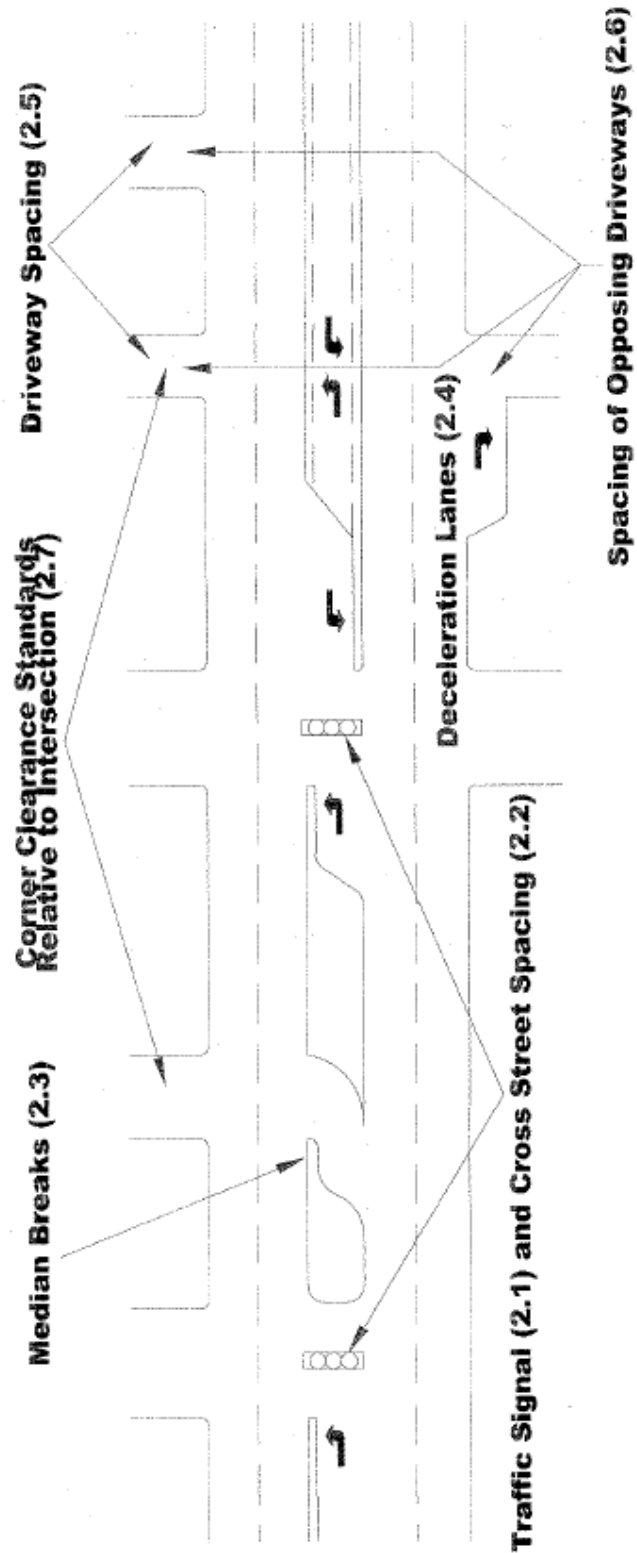
2.0 ACCESS GUIDELINES

The access management guidelines pertain to the following listed items:

- Traffic signal spacing
- Cross street spacing
- Median breaks
- Right turn lanes (deceleration lanes)
- Driveway spacing
- Spacing of opposing driveways
- Corner clearance standards at intersections

Figure 1 illustrates these several access management techniques. Table 1 is a summary of the access management guidelines.

Figure 1: Access Guidelines Example



* Number in parentheses indicates section in which guidelines are detailed.

Table 1: Access Guidelines

Section	Guideline	Divided Arterial Parkway	Standard Arterial	Collector
2.1	Traffic signal spacing	One quarter mile minimum spacing.	Less than one quarter mile requires city approval.	
2.2	Cross street spacing	1320 feet	B/O ADT <20,000: 660 feet B/O ADT >20,000: 1320 feet	660 feet
2.3	Median breaks	6 or 8 lanes: At signalized intersections only. 4 lanes: Left turn ingress can be considered.	The City may require full or partial medians on a case-by-case basis in order to control left turns	The City may require full or partial medians on a case-by-case basis in order to control left turns
2.4	Deceleration lanes	Required when: 45 mph or less Over 45 mph (1) 80 right turn vehicles per hour are for roadways greater than 600 vehicles per hour per lane, or on two lane roads. 125 right turn vehicles per hour is for lower volume roadways, multilane highways, or driveways with an entry radius of 50 feet or greater. (2) 35 right turn vehicles per hour is for two-lane roadways with peak hour traffic volumes greater than 600 vehicles per hour per lane. 55 right turn vehicles per hour are most appropriate on lower volume roadways, multilane highways, or driveways with an entry radius of 50 feet or greater.	Number of peak hour right turns: 80 or 125 (1) 35 or 55 (2)	
2.5	Driveway spacing	Permitted for nonresidential and multi-family development only: 8 lanes: 660 feet 4 or 6 lanes: 330 feet	Permitted for nonresidential and multi-family development only: 330 feet	Permitted for nonresidential and multi-family development: 165 feet Single family residential development/ ADT >8000: 165 feet
2.6	Opposing side driveway spacing		Aligned or with a minimum spacing of 330 feet	Aligned or with a minimum spacing of 165 feet
2.7	Corner clearance	Approaching intersection: 115 feet Departing intersection: 230 or 125 or 100 feet Access allowed: Right turns only.	Without restrictive median: 230 or 125 or 100 feet Right turns or full access permitted, depending on conditions.	

2.1 Traffic Signal Spacing

Traffic signals are allowed at one-quarter mile spacing. Any proposed signal at less than one-quarter mile spacing must be applied for, with the applicant solely responsible for the signal's cost. The applicant must provide a traffic study that shows that the additional signal can be accommodated without significantly disrupting the progressive flow of traffic in the circulation system by preserving the minimum "through-band" width of the affected street. The traffic study shall include a simulation analysis for any new signal that is proposed to be spaced less than one-quarter mile.

2.2 Cross Street Spacing (3 or 4 leg intersections with full access)

<i>Road classification</i>	<i>All land-use categories</i>
Divided arterial parkways	1320 feet
Standard arterial	
Buildout ADT < 20k	660 feet
Buildout ADT >20k	1320 feet
Collector	660 feet

2.3 Median Breaks

<i>Road classification</i>	<i>All land-use categories</i>
Divided arterial parkways <ul style="list-style-type: none"> • eight or six lanes • four lanes 	<ul style="list-style-type: none"> • Breaks at signal controlled intersections only • Left ingress can be considered on a case-by-case basis
Standard arterial	City may require full or partial raised medians on a case-by-case basis in order to control left turn in and/or out movements.
Collector	City may require full or partial raised medians on a case-by-case basis in order to control left turn in and/or out movements.

2.4 Right Turn Lanes (Deceleration Lanes) at Driveways

<i>Posted or Prima Facie Speed Limit</i>	<i>Number of Right Turn Vehicles per Hour</i>
45 mph or less	80 – 125
Over 45 mph	35 – 55

If the speed limit has not been determined, use the design speed minus 5 mph.

The lower threshold of 80 right turn vehicles per hour is for higher volume roadways (greater than 600 vehicles per hour per lane), or on two-lane roads where lateral movement is restricted. The higher threshold of 125 right turn vehicles per hour is most appropriate on lower volume roadways, multilane highways, or driveways with an entry radius of 50 feet or greater.

The lower threshold of 35 right turn vehicles per hour is for higher volume two-lane roadways where lateral movement is restricted. The higher threshold of 55 right turn vehicles per hour is most appropriate on lower volume roadways, multilane highways, or driveways with an entry radius of 50 feet or greater.

2.5 Driveway Spacing

<i>Road Classification</i>	<i>Commercial and Multi-Family Residential</i>	<i>Industrial</i>	<i>Town Center</i>	<i>Single Family Residence</i>
Divided arterial parkways				
eight lanes	660 feet	660 feet	660 feet	Not allowed
six lanes	330 feet	330 feet	330 feet	Not allowed
four lanes	330 feet	330 feet	330 feet	Not allowed
Standard arterial	330 feet	330 feet	330 feet	Not allowed
Collector	165 feet	165 feet	165 feet	165 feet (if build out volume is less than 8000 ADT)

Distances measured from centerline to centerline.

2.6 Opposing Side Driveway Spacing on Streets without Restrictive Medians

Opposing side street driveways on streets without restrictive medians shall be aligned or with a minimum spacing of 330 feet on Standard Arterials, and 165 feet on Collectors. Distance is measured from centerline to centerline.

2.7 Corner Clearance Standards at Intersections

<i>With Restrictive Median</i>		
<i>Position</i>	<i>Access Allowed</i>	<i>Minimum (feet)*</i>
Approaching intersection	Right in/right out	115
Approaching intersection	Right in only	115
Departing intersection	Right in/right out	230 (125)**
Departing intersection	Right out only	100
<i>Without Restrictive Median</i>		
<i>Position</i>	<i>Access Allowed</i>	<i>Minimum (feet)*</i>
Approaching intersection	Full access	230 (125)**
Approaching intersection	Right in only***	100
Departing intersection	Full access	230 (125)**
Departing intersection	Right out only***	100

* Reduced minimums may be accepted when access to corner property cannot otherwise be provided. Subject to approval by city traffic engineer on a case-by-case basis.

** At posted speed limit of 35 mph or less, may use the measurements in parentheses.

*** right in/right out, right in only, and right out only connections on roads without restrictive medians shall, by the design of the connection, effectively eliminate unpermitted movements.

For corner properties where access is possible on at least two sides, access from the lower classification street is preferred. Distances measured from the curb return.