

APPENDICES TO CHAPTER 98 (formerly located in Chapter 94 Subdivision)

APPENDIX A (to be used for entrances for Arterial Streets)

Operating Speed (mph)	Safe Sight Distance Left (ft)	Safe Sight Distance Right(ft)
20	130	130
30	220	260
40	380	440
50	620	700

APPENDIX B
MINIMUM STANDARDS FOR CORNER CLEARANCE

MINIMUM CORNER CLEARANCE (feet)		
Access Type	Signalized	Unsignalized
Low Volume	150	50
Medium Volume	150	50
High Volume	500	250
Special Cases		
Right turn in only	50	50
Right turn out only	100	100
Right turn in or out only	100	100

Where the minimum standard for a full access drive cannot be met, only a special case access shall be permitted. If based on the above criteria, full access to the site cannot be provided on either the major or minor streets, the site shall be restricted to partial access. Alternately, construction of a shared access drive with an adjacent parcel is recommended.

APPENDIX C
MINIMUM ACCESS SPACING

Access Type	Minimum Spacing to Property Line DPL (1) (feet)	Low (feet)	Minimum Spacing to Adjacent Access by Type (2) DSP (3)			
			Medium (feet)	High w/o RT* (feet)	High w/RT** (feet)	Special Case (feet)
Low Volume	5	***				
Medium Volume	10	-	75			
High Volume (w/o RT)*	75	-	75	150		
High Volume (w/RT)**	75	-	75	250	500	
Special Case	10	-	75	75	75	40*****

1) DPL measured from point of tangency of access to projection of property line on roadway edge.

2) For two more accesses serving a single parcel, or from a proposed access from an existing access .

3) DSP measured from point of tangency of access to point of tangency of adjacent access.

* High volume access without right turn channelization

** High Volume access with right turn channelization

*** Low volume accesses are not permitted in combination with other access types on a single lot

**** Right turn-in-only upstream of right-out-only. Right-turn-out followed by right-turn-in not allowed.

APPENDIX D

Description	Arterial	Collector	Residential	Rural/Urban Lane	Private Right of Way	Industrial/ Commercial
Minimum Right of Way Width	80'	60'	50'	50'	50'	60'
Minimum Pavement Width	44'	34'	30'	20'	20'	32' with parking, 26' without parking
Sidewalk Width	8'	5'	5'	None / 5'	TBD if required	8'
Minimum Grade	.5%	.5%	.5%	.5%	.5%	5%
Maximum Grade*	5%	6%	7%	8%	10%	5%
Minimum Centerline Radius	500'	230'	190'	150'	150'	400'
Minimum Tangent between Curves of reverse alignment ^a	200'	100'	75'	50'	50'	200'
Roadway Crown	¼" per ft	¼" per ft	¼" per ft	¼" per ft	¼" per ft	¼" per ft
Minimum angle of street intersections**	90 degrees	90 degrees	85 degrees	75 degrees	75 degrees	90 degrees
Maximum grade within 75ft of intersection	2%	2%	2%	2%	2%	2%
Minimum curb radii at intersections	30'	20'	18'	15'	15'	30'***

Minimum r/o/w radii at intersections	20'	10'	10'	10'	10'	20'
Minimum width of shoulders (each side)	5'	3'	3'	3'	3'	9'

- * Maximum grade may be exceeded for a length of 100 feet or less.
- ** Street intersection angles shall be as close to 90 degrees as feasible but no less than the listed angle.
- *** Should be based on turning radii of expected commercial vehicles, but no less than 30 feet.

APPENDIX E

Design speed (mph)	20	25	30	35
Stopping Distance (ft)	125	150	200	250

Stopping sight distance shall be calculated with a height of eye at 3.5 feet and the height of object at 0.5 feet.

APPENDIX F (to be used for entrances for non-Arterial Streets)

Posted Speed Limit (mph)	25	30	35	40	45	50	55
Sight Distance (ft)	250	300	350	400	450	500	550

Where necessary, corner lots shall be cleared of all growth and sight obstructions, including ground excavation, to achieve the required visibility.

APPENDIX G

Street Materials	Minimum Requirements				
	Arterial	Collector	Rural/Urban Lane	Private Right of Way	Industrial/Commercial
Aggregate Sub-base Course (MDOT Type D)	18"	12"	12"	12"	18"
Aggregate Base Course (MDOT Type A)	6"	6"	6"	3"	6"

Hot Bituminous Pavement Surface Course	1 ½" (12.5mm)	1 ½" (12.5mm)	1 ½" (12.5mm)	1"	1 ½" (12.5mm)
Base Course	2 ½" (19mm)	2 ½" (19mm)	2 ½" (19mm)	1 ½"	2 ½" (19mm)
Total Thickness	4"	4"	4"	2 ½"	4"