# **APPENDIX B**

# STREET DESIGN AND CONSTRUCTION STANDARDS

Sight Distance					
Standard Vehicle Larger Vehicle		Mobility			
455	000				
		n/a			
200	300	n/a			
250	375	n/a			
305	455	n/a			
360	540	580			
425	635	710			
495	740	840			
570	855	990			
645	965	1150			
	155 200 250 305 360 425 495 570	Standard Vehicle         Larger Vehicle           155         230           200         300           250         375           305         455           360         540           425         635           495         740           570         855			

Posted Speed figures are in Miles Per Hour (MPH)

Sight Distance figures are in feet (ft.)

Basic Standards		Low Volume	Medium Volume	
Min Access Width:*				
Min. Access Width:*		10		00
	Majority Passenger Vehicles	12		22
	>30% Larger Vehicles	30		30
Min. Corner Clearance To:**				
	Unsignalized Intersection	75		100
	Signalized Intersection	125		125
Min. Access Spacing: ***				
	MPH of External Road			
	35 or less	n/a	n/a	
	40	175		175
	45	265		265
	50	350		350
	55 or more	525		525

## Table 2 Access Design Standards for Low and Medium Volume Accesses

\* Minimum widths for low or medium volume accesses shall be either the minimum cross section width of the internal subdivision street or the minimum access width in Table 2, whichever width is greater.

\*\* Minimum corner clearance shall be the distance mesured from the edge of an internal subdivision access excluding radii to the edge of an external street excluding radii.

\*\*\* Minimum access spacing shall be the distance measured from the edge of an internal subdivision access excluding radii to the edge of a neighboring access excluding radii.

	Major	Minor		Major	Minor
Item	Local Street	Local Street	Ind./Comm.	Private Road	Private Road
Average Daily Traffic (ADT)/Lots Served <sup>(1)</sup>	> 400 AADT	400 AADT	n/a	> 10 lots	10 Lots
Surface Type	Paved	Paved	Paved	Paved	Gravel
Min. Right-of-Way Width	60'	50'	50'	50'	50'
Min. Traveled Way Width <sup>(2)</sup>	22'	20'	24'	20'	18'
Primary Shoulder Type <sup>(3)</sup>	Paved	Paved	Paved	Gravel	Gravel
Min. Primary Shoulder Width without Curb	4'	2'	4'	2'	2'
Min. Primary Shoulder Width with Curb	5'	2'	4'	2'	n/a
Min. Primary Shoulder Width with Sidewalk	5'	2'	4'	2'	n/a
Secondary Shoulder Type	Gravel	Gravel	Gravel	Gravel	n/a
Min. Secondary Shoulder Width without Curb	2'	2'	2'	2'	n/a
Min. Clear Zone Width (each Side)	8'	7'	7'	n/a	n/a
Min. Esplanade Width	n/a	5'	n/a	n/a	n/a
Minimum Vertical Clearance	14'	14'	14'	14'	14'
Min. Grade	0.50%	0.50%	0.50%	0.50%	0.50%
Min. Grade with Curb	1.00%	1.00%	1.00%	1.00%	1.00%
Max. Grade	7%	8%	6%	11%	11%
Min. Centerline Radius	350'	180'	200'	100'	60'
Min. Tangent between curves of reverse alignmen	t 200'	100	200	100'	n/a
Min. Angle of Street Intersection <sup>(4)</sup>	90	60	90	60'	60'
Max. Grade at Intersections <sup>(5)</sup>	2%	2%	2%	2%	2%
Min. Curb Radii	30'	25'	30'	25'	15'
Max. Dead End Street Length	See Section 543 Streets and Section 911.M.5(b)(5) Dead End Streets				
Min. Sidewalk Width	5'	5'	5'	n/a	n/a
Min. Paved Apron <sup>(6)</sup>					20'

#### Table 3 Design and Construction Standards for Town Streets or Private Ways

Additional Standards:

(1) See Section 911 (M) for street connection requirements.

(2) Add 8' of width for each lane of on-street parking.

(3) See Section911 (M)(5)(b)(6) for shoulder and sidewalk requirements.

(4) Angle must be maintained for at lease 60' from the intersection.

(5) Maximum grade must be maintained for at least 60' from the intersection.

(6) A negative 2.0% grade from the existing edge of pavement must be provided to an appropriate drainage way that is no less than 5 feet from the travel surface or private way it intersects.

### **Table 4 Street Construction Standards and Dimensions**

Material	Major Local Street	Minor Local Street	Ind./Comm.	Major Private Road	Minor Private Road
Surface Type	Paved	Paved	Paved	Paved	Gravel
Aggregate Sub-Base Courses					
Type D*	21"	21"	27"	21"	18"
Crushed Aggregate Base Course**	3"	3"	3"	3"	3"
Hot Bituminous Pavement					
Total Thickness Compacted	5"	4"	5"	4"	n/a
Base Course, HMA 19.0mm	3.5"	2.5"	3.5"	2.5"	n/a
Surface Course, HMA 9.5mm	n/a	1.5"	n/a	1.5"	n/a
Surface Course, HMA 12.5mm	1.5"	n/a	1.5"	n/a	n/a
Paved Apron					
Aggregate Sub-Base Courses					
Туре D					18"
Туре В					n/a
Crushed Aggregate Base Cours	e**				3"
Hot Bituminous Pavement					3"
Bituminous Concrete Sidewalk:					
Crushed Aggregate Base Cours	e 10"	10"	10"	n/a	n/a
Pavement Surface Course***	(2)-1.25"	(2)-1.25"	(2)-1.25"	n/a	n/a

#### Notes:

(#) = Required number of courses.

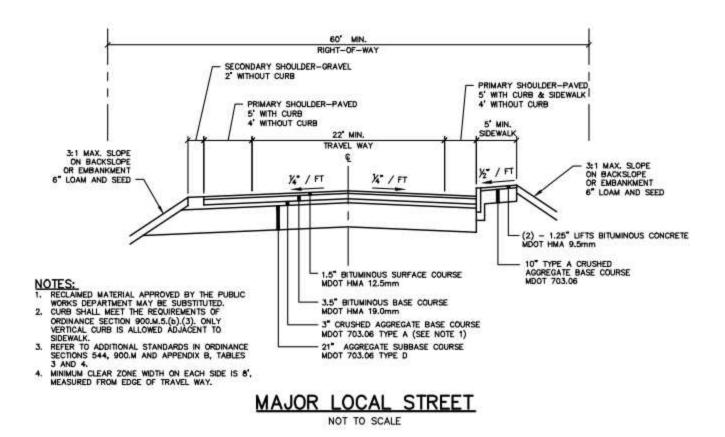
\* The Planning Board or Director of Public Works, as appropriate, may reduce the required depth of ASCG Type D from 27" to 21" if the applicant provides

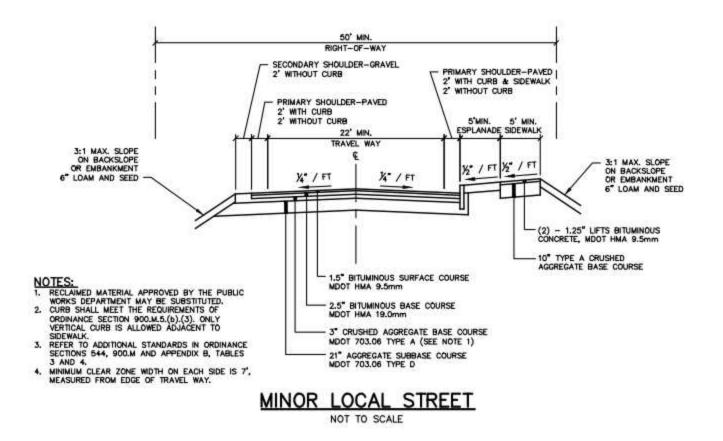
a geotechnical evaluation performed by a professional engineer. The evaluation must include gradations, California Bearing Ratios, and a design

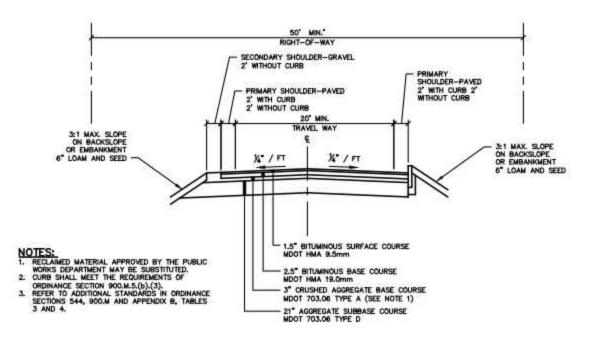
(based on AASHTO design methods) which indicates that 21" of ASCG Type D will be adequate to handle the estimated vehicular weight loads.

\*\* Material shall be Crushed Aggregate Base Course, Type A, or Reclaimed asphalt approved by the Public Works Department.

\*\*Material shall be HMA 9.5mm.

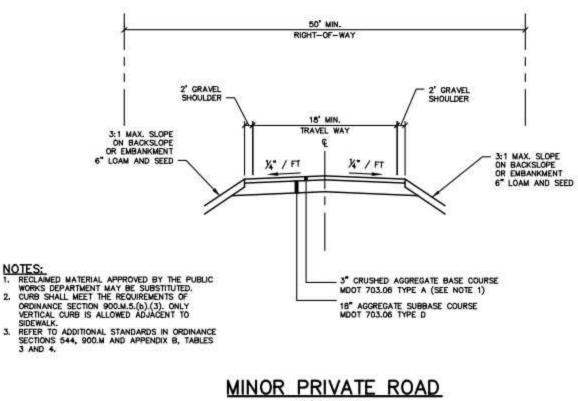




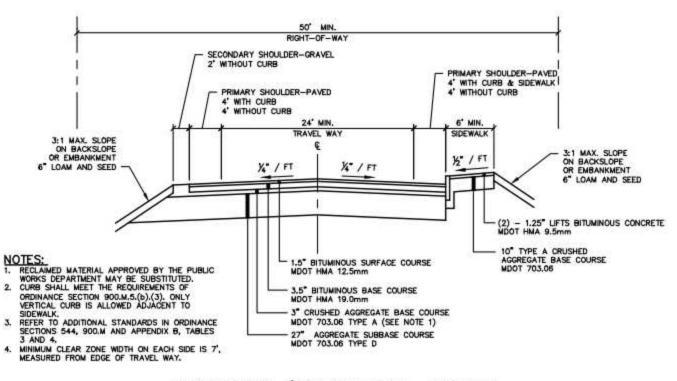


## MAJOR PRIVATE ROAD

#### NOT TO SCALE

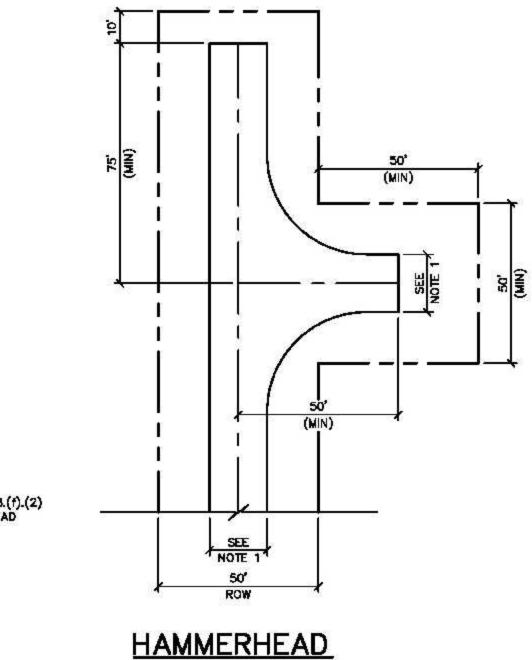


NOT TO SCALE



# INDUSTRIAL/COMMERCIAL STREET

NOT TO SCALE



NOT TO SCALE



1. REFER TO ORDINANCE SECTIONS 500.B.8.(f).(2) AND 900.M.5.(b).(5).(W) FOR HAMMERHEAD DESIGN CRITERIA.

