

GENERAL PERFORMANCE STANDARDS

16.8 Attachment 1

Town of Kittery

Table 1
Design and Construction Standards for Streets and Pedestrianways
 [Amended 9-24-2012 by Ord. No. 12-11; 7-25-2016 by Ord. No. 16-05; 1-24-2022 by Ord. No. 22-01]

Design and Construction Standards	Public Streets						Private Streets				
	Arterial Highways	Secondary Highways	Commercial Light Industrial Mixed-Use Developments	Primary Collectors	Secondary Collectors	Minor Streets	Class III	Class II	Class I		
Average Daily Trips (ADT)	9,001 or More	3,001 to 9,000	ADT and Peak	801 to 3,000	201 to 800	35 to 200	72 to 800	35 to 71	12 to 35		
Street Width Design:	Streets in this classification will generally be affected by development rather than constructed, and may require drainage, soil, use, traffic safety, and impact studies beyond the scope of this title for required improvements and/or construction.	Commercial, light industrial and mixed-use development streets shall be constructed to no less than secondary collector standards and may be subject to higher standards, depending upon the traffic generation and use(s) intended.					Same standards as public streets (secondary collectors, and minor streets) based on average daily trips count (ADT) calculated from the latest edition of the ITE Codes.				
a. Right-of-way			60 feet	60 feet	60 feet	40 feet		40 feet			
b. Travel pavement			22 feet	22 feet	20 feet	20 feet		18 feet gravel			
c. Sidewalk/pedestrianway			6 feet	6 feet	5 feet	5 feet		5 feet			
d. Paved shoulder			2/8 feet, walk side/opp. side	2/8 feet, walk side/opp. side	2/8 feet, walk side/opp. side	N/A		N/A			
e. Gravel shoulder			2 feet opp. side	2 feet opp. side	2 feet opp. side	Both sides		N/A			
f. Enclosed drainage			Sidewalk side	Sidewalk side	Not required	N/A		N/A			
g. Parking			One side	Emergency	Emergency	Emergency		No			
Street Gradients:											
a. Longitudinal (minimum to maximum)			0.05% to 6%	0.05% to 7%	0.05% to 8%	0.05% to 9%		1.0% to 10%			
b. Slide slope (horizontal to vertical)			3 to 1	3 to 1	3 to 1	2 to 1		2 to 1			
c. Road crown			1/4 inch per foot	1/4 inch per foot	1/4 inch per foot	1/4 inch to 1/2 inch per foot		1/4 inch to 1/2 inch per foot			
Cul-de-Sac:											
a. Street length to radius			N/A	N/A	1,200 feet	600 feet		400 feet			
b. Boundary radius			N/A	N/A	60 feet	50 feet		50 feet or 40 feet by 40 feet turn tee			
c. Paved radius			N/A	N/A	50 feet	40 feet		Gravel 40 feet or 18 feet by 18 feet			
Second access			Yes	Yes	Not desirable	N/A		N/A			
Intersection Design:			600 feet	400 feet	300 feet	N/A		N/A			
a. Frequency center lines			90°	80° to 90°	80° to 90°	75° to 90°		60° to 90°			
b. Maximum angle			75 feet	50 feet	40 feet	40 inches		N/A			
c. Tangent section to paved edge	2% @ 75 feet	3% @ 50 feet	3% @ 40 feet	3% @ 40 feet	3% @ 25 feet						
d. Curb radii	20 feet	20 feet	10 feet	10 feet	N/A						
Curves:											
a. Tangent between reverse curves	200 feet	100 feet	100 feet	N/A	N/A						
b. Minimum center-line curve radius	400 feet	300 feet	150 feet	100 feet	N/A						

KITTERY CODE

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Street Materials Cross-Section:	Streets in this classification will generally be affected by development rather than construction, and may require drainage, soil, use, traffic safety, and impact studies beyond the scope of this title for required improvements and/or construction.		Commercial, light industrial and mixed-use development(s) streets shall be constructed to no less than secondary collector standards and may be subject to higher standards depending upon the traffic generation and use(s) intended.				Same standards as public streets (primary collectors, secondary collectors, and minor streets) based on average daily trips count (ADT) calculated from the latest edition of the ITE Codes.				
a. Minimum gravel subbase				18 inches	12 inches	12 inches		12 inches	8 inches		
b. Minimum crushed gravel				6 inches	6 inches	6 inches		4 inches	4 inches		
c. Bituminous pavement				2 inches	2 inches	1 1/2 inches		1 1/2 inches	N/A		
d. Bituminous pavement surface				1 1/2 inches	1 inch	1 inch		1 inch	N/A		
e. Compacted loam slopes				6 inches	4 inches	4 inches	4 inches	4 inches			
Sidewalk Materials Cross-Section:									Planning Board determination	Planning Board determination	Planning Board determination
a. Minimum gravel subbase				18 inches	12 inches						
b. Minimum crushed gravel				9 inches	9 inches						
c. Minimum and maximum curb reveal				6 inches to 8 inches	6 inches to 8 inches						
d. Curb material				Granite	Granite						
e. Bituminous pavement base	2 inches	2 inches									
f. Bituminous pavement surface	1 inch	1 inch									

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US ROUTE 1, ARTERIAL and SECONDARY STREETS, and MIXED USE DEVELOPMENTS
(Public easements may be requested)