

LENGTH OF TAPER

WIDTH(FT)	1		2		3		4		5		6	
SPEED (MPH)	LENGTH OF TAPER (FT)											
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
20	10	15	15	20	20	30	30	45	35	55	40	60
25	15	25	25	40	35	55	45	70	55	85	65	100
30	15	25	30	45	45	70	60	90	70	115	90	135
35	25	40	45	70	65	100	85	130	105	160	125	190
40	30	45	55	85	80	120	110	165	135	205	160	240
45	45	70	90	135	135	205	180	270	225	340	270	405
50	50	80	100	150	150	225	200	300	250	375	300	450
55	55	85	110	165	165	250	220	330	275	415	330	415

WIDTH(FT)	7		8		9		10		11		12	
SPEED (MPH)	LENGTH OF TAPER (FT)											
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
20	50	75	55	85	60	90	70	105	75	115	80	120
25	75	115	85	130	95	145	105	160	115	175	125	190
30	105	160	120	180	135	205	150	225	165	250	180	270
35	145	220	165	250	185	280	205	310	205	340	245	470
40	190	285	215	325	240	360	270	405	295	445	300	480
45	315	475	360	540	405	610	450	675	495	745	540	810
50	350	525	400	600	450	675	500	750	550	825	600	990
55	385	580	440	660	495	745	550	825	605	910	660	990

2 TAPPER FORMULA: L = WS FOR SPEEDS OF 45 OR MORE.
 L = $\frac{WS^2}{60}$ FOR SPEEDS OF 40 OR LESS.

WHERE: L = MINIMUM LENGTH OF TAPER.
 S = NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 55 PERCENTILE SPEED.
 W = WIDTH OF OFFSET.



DATE: 02/2017

**TOWN OF CHAPEL HILL
STANDARD DETAIL**

REVISIONS

LENGTH OF
TRANSITION

T-16.00

" NOT TO SCALE "