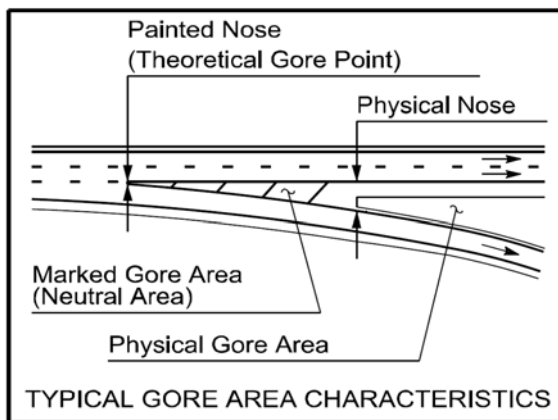


Length of Taper for Accel/ Decel lanes on Parallel Ramps		
Highway Design Speed	Under 50 mph	50 and Over
Deceleration Taper Length	15:1	25:1
Acceleration Taper Length	300 ft*	
* Based on 2011 AASHTO Green Book Figure 10-69B for Parallel Ramp Design		

**TABLE C-8-1 LENGTH OF TAPER FOR ACCEL/ DECEL LANES ON PARALLEL RAMPS**

Minimum Length of Taper beyond Offset Nose "Z <sub>1</sub> or Z <sub>2</sub> "								
Design Speed of Highway	Ratio of Nose Taper per unit width of Nose Offset	Nose Offsets (N <sub>1</sub> or z) (ft.)						
		3	4	6	8	10	11	12
		Total Length of Z (ft) = Ratio x N <sub>1</sub> or z						
30	15:1	45	60	90	120	150	165	180
35	17.5:1	52.5	70	115	140	175	192.5	210
40	20:1	60	80	120	160	200	220	240
45	22.5:1	67.5	90	135	180	225	247.5	270
50	25:1	75	100	150	200	250	275	300
55	27.5:1	82.5	110	165	220	275	302.5	330
60	30:1	90	120	180	240	300	330	360
65	32.5:1	97.5	130	195	260	325	357.5	390
70	35:1	105	140	210	280	350	385	420
75	37.5:1	112.5	150	225	300	375	412.5	450
80	40:1	120	160	240	320	400	440	480

**TABLE C-8-2 MINIMUM LENGTH OF TAPER BEYOND OFFSET NOSE\***



\* Added 1/17