

Typical Traffic Control  
Shoulder Closure on a Shoulder  
(Figure TTC-40)

NOTES

- Standard
1. On divided highways having a median wider than 8', right and left sign assemblies shall be required.

Guidance

2. Sign spacing should be 1300'-1500' for Limited Access highways. For all other roadways, the sign spacing should be 300'-400' where the posted speed limit is greater than 45 mph, and 350'-500' where the posted speed limit is 45 mph or less.

Options

3. The SHOULDER WORK (W1-5) sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter advance warning signs prior to this activity area.
4. For short duration operations of 60 minutes or less, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity amber rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signs shall not be used instead of the vehicle's high-intensity amber rotating, flashing, oscillating, or strobe lights. Vehicle hazard warning signs can be used to supplement high-intensity amber rotating, flashing, oscillating, or strobe lights.

Guidance

6. Taper length (L) and channelizing device spacing shall be at the following:

Taper Length (L)			
Speed Limit (mph)	9	10	11
Lane Width (Feet)	12	12	12
25	55	105	115
30	135	150	165
35	155	165	180
40	175	185	200
45	205	220	235
50	240	255	270
55	280	300	315
60	320	340	360
65	360	385	410
70	400	430	460
75	440	475	510
80	480	520	560
85	520	565	610
90	560	610	660
95	600	655	710
100	640	700	760
105	680	745	810
110	720	790	860
115	760	835	910
120	800	880	960
125	840	925	1010
130	880	970	1060
135	920	1015	1110
140	960	1060	1160
145	1000	1105	1210
150	1040	1150	1260
155	1080	1195	1310
160	1120	1240	1360
165	1160	1285	1410
170	1200	1330	1460
175	1240	1375	1510
180	1280	1420	1560
185	1320	1465	1610
190	1360	1510	1660
195	1400	1555	1710
200	1440	1600	1760
205	1480	1645	1810
210	1520	1690	1860
215	1560	1735	1910
220	1600	1780	1960
225	1640	1825	2010
230	1680	1870	2060
235	1720	1915	2110
240	1760	1960	2160
245	1800	2005	2210
250	1840	2050	2260
255	1880	2095	2310
260	1920	2140	2360
265	1960	2185	2410
270	2000	2230	2460
275	2040	2275	2510
280	2080	2320	2560
285	2120	2365	2610
290	2160	2410	2660
295	2200	2455	2710
300	2240	2500	2760
305	2280	2545	2810
310	2320	2590	2860
315	2360	2635	2910
320	2400	2680	2960
325	2440	2725	3010
330	2480	2770	3060
335	2520	2815	3110
340	2560	2860	3160
345	2600	2905	3210
350	2640	2950	3260
355	2680	2995	3310
360	2720	3040	3360
365	2760	3085	3410
370	2800	3130	3460
375	2840	3175	3510
380	2880	3220	3560
385	2920	3265	3610
390	2960	3310	3660
395	3000	3355	3710
400	3040	3400	3760
405	3080	3445	3810
410	3120	3490	3860
415	3160	3535	3910
420	3200	3580	3960
425	3240	3625	4010
430	3280	3670	4060
435	3320	3715	4110
440	3360	3760	4160
445	3400	3805	4210
450	3440	3850	4260
455	3480	3895	4310
460	3520	3940	4360
465	3560	3985	4410
470	3600	4030	4460
475	3640	4075	4510
480	3680	4120	4560
485	3720	4165	4610
490	3760	4210	4660
495	3800	4255	4710
500	3840	4300	4760
505	3880	4345	4810
510	3920	4390	4860
515	3960	4435	4910
520	4000	4480	4960
525	4040	4525	5010
530	4080	4570	5060
535	4120	4615	5110
540	4160	4660	5160
545	4200	4705	5210
550	4240	4750	5260
555	4280	4795	5310
560	4320	4840	5360
565	4360	4885	5410
570	4400	4930	5460
575	4440	4975	5510
580	4480	5020	5560
585	4520	5065	5610
590	4560	5110	5660
595	4600	5155	5710
600	4640	5200	5760
605	4680	5245	5810
610	4720	5290	5860
615	4760	5335	5910
620	4800	5380	5960
625	4840	5425	6010
630	4880	5470	6060
635	4920	5515	6110
640	4960	5560	6160
645	5000	5605	6210
650	5040	5650	6260
655	5080	5695	6310
660	5120	5740	6360
665	5160	5785	6410
670	5200	5830	6460
675	5240	5875	6510
680	5280	5920	6560
685	5320	5965	6610
690	5360	6010	6660
695	5400	6055	6710
700	5440	6100	6760
705	5480	6145	6810
710	5520	6190	6860
715	5560	6235	6910
720	5600	6280	6960
725	5640	6325	7010
730	5680	6370	7060
735	5720	6415	7110
740	5760	6460	7160
745	5800	6505	7210
750	5840	6550	7260
755	5880	6595	7310
760	5920	6640	7360
765	5960	6685	7410
770	6000	6730	7460
775	6040	6775	7510
780	6080	6820	7560
785	6120	6865	7610
790	6160	6910	7660
795	6200	6955	7710
800	6240	7000	7760
805	6280	7045	7810
810	6320	7090	7860
815	6360	7135	7910
820	6400	7180	7960
825	6440	7225	8010
830	6480	7270	8060
835	6520	7315	8110
840	6560	7360	8160
845	6600	7405	8210
850	6640	7450	8260
855	6680	7495	8310
860	6720	7540	8360
865	6760	7585	8410
870	6800	7630	8460
875	6840	7675	8510
880	6880	7720	8560
885	6920	7765	8610
890	6960	7810	8660
895	7000	7855	8710
900	7040	7900	8760
905	7080	7945	8810
910	7120	7990	8860
915	7160	8035	8910
920	7200	8080	8960
925	7240	8125	9010
930	7280	8170	9060
935	7320	8215	9110
940	7360	8260	9160
945	7400	8305	9210
950	7440	8350	9260
955	7480	8395	9310
960	7520	8440	9360
965	7560	8485	9410
970	7600	8530	9460
975	7640	8575	9510
980	7680	8620	9560
985	7720	8665	9610
990	7760	8710	9660
995	7800	8755	9710
1000	7840	8800	9760
1005	7880	8845	9810
1010	7920	8890	9860
1015	7960	8935	9910
1020	8000	8980	9960
1025	8040	9025	10010
1030	8080	9070	10060
1035	8120	9115	10110
1040	8160	9160	10160
1045	8200	9205	10210
1050	8240	9250	10260
1055	8280	9295	10310
1060	8320	9340	10360
1065	8360	9385	10410
1070	8400	9430	10460
1075	8440	9475	10510
1080	8480	9520	10560
1085	8520	9565	10610
1090	8560	9610	10660
1095	8600	9655	10710
1100	8640	9700	10760
1105	8680	9745	10810
1110	8720	9790	10860
1115	8760	9835	10910
1120	8800	9880	10960
1125	8840	9925	11010
1130	8880	9970	11060
1135	8920	10015	11110
1140	8960	10060	11160
1145	9000	10105	11210
1150	9040	10150	11260
1155	9080	10195	11310
1160	9120	10240	11360
1165	9160	10285	11410
1170	9200	10330	11460
1175	9240	10375	11510
1180	9280	10420	11560
1185	9320	10465	11610
1190	9360	10510	11660
1195	9400	10555	11710
1200	9440	10600	11760
1205	9480	10645	11810
1210	9520	10690	11860
1215	9560	10735	11910
1220	9600	10780	11960
1225	9640	10825	12010
1230	9680	10870	12060
1235	9720	10915	12110
1240	9760	10960	12160
1245	9800	11005	12210
1250	9840	11050	12260
1255	9880	11095	12310
1260	9920	11140	12360
1265	9960	11185	12410
1270	10000	11230	12460
1275	10040	11275	12510
1280	10080	11320	12560
1285	10120	11365	12610
1290	10160	11410	12660
1295	10200	11455	12710
1300	10240	11500	12760
1305	10280	11545	12810
1310	10320	11590	12860
1315	10360	11635	12910
1320	10400	11680	12960
1325	10440	11725	13010
1330	10480	11770	13060
1335	10520	11815	13110
1340	10560	11860	13160
1345	10600	11905	13210
1350	10640	11950	13260
1355	10680	11995	13310
1360	10720	12040	13360
1365	10760	12085	13410
1370	10800	12130	13460
1375	10840	12175	13510
1380	10880	12220	13560
1385	10920	12265	13610
1390	10960	12310	13660
1395	11000	12355	13710
1400	11040	12400	13760
1405	11080	12445	13810
1410	11120	12490	13860
1415	11160	12535	13910
1420	11200	12580	13960
1425	11240	12625	14010
1430	11280	12670	14060
1435	11320	12715	14110
1440	11360	12760	14160
1445	11400	12805	14210
1450	11440	12850	14260
1455	11480	12895	14310
1460	11520	12940	14360
1465	11560	12985	14