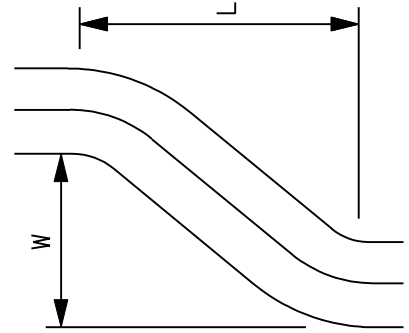


**TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION
TAPER LENGTH CRITERIA TABLE**

SPEED (S) IN MPH	WIDTH OF OFFSET (W) IN FEET											
	1	2	3	4	5	6	7	8	9	10	11	12
	TAPER LENGTH (L) IN FEET WHERE $L = WS^2/60$											
25	11	21	32	42	53	63	73	84	94	105	115	125
30	15	30	45	60	75	90	105	120	135	150	165	180
35	21	41	62	82	103	123	143	164	184	205	225	245
40	27	54	80	107	134	160	187	214	240	267	294	320
	TAPER LENGTH (L) IN FEET WHERE $L = WS$											
45	45	90	135	180	225	270	315	360	405	450	495	540
50	50	100	150	200	250	300	350	400	450	500	550	600
55	55	110	165	220	275	330	385	440	495	550	605	660
60	60	120	180	240	300	360	420	480	540	600	660	720
65	65	130	195	260	325	390	455	520	585	650	715	780
70	70	140	210	280	350	420	490	560	630	700	770	840



TYPE OF TAPER **TAPER LENGTH**

MERGING TAPER L MINIMUM (ON EXPRESSWAYS AND FREEWAYS, MERGING LANE CLOSURE TAPERS SHALL BE 1000 FEET, UNLESS DIRECTED BY THE ENGINEER)

SHIFTING TAPER L (WHEN CONDITIONS DO NOT PERMIT SHIFTING TAPERS OF LENGTH L, SHIFTING TAPERS DOWN TO LENGTH 1/2 L (MIN.) MAY BE USED)

SHOULDER TAPER 1/3 L MINIMUM

TWO-WAY TAPER (FLAGGING) 100 FEET MAX., 50 FEET MIN.

TERMINATION TAPER 100 FEET MINIMUM

NOTE:
AN "ABRUPT" LANE SHIFT IS ANY SHIFT WITH A TAPER LENGTH (L) LESS THAN THE VALUE SPECIFIED IN THE TABLE ABOVE.

SPECIFICATION CATEGORY CODE ITEMS

APPROVED 
DIRECTOR - OFFICE OF TRAFFIC AND SAFETY



APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
APPROVAL 8-20-03	APPROVAL 9-23-03
REVISED	REVISED
REVISED	REVISED
REVISED	REVISED

**Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION**
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

TAPER LENGTH CRITERIA TABLE

STANDARD NO.

MD 104.01-80