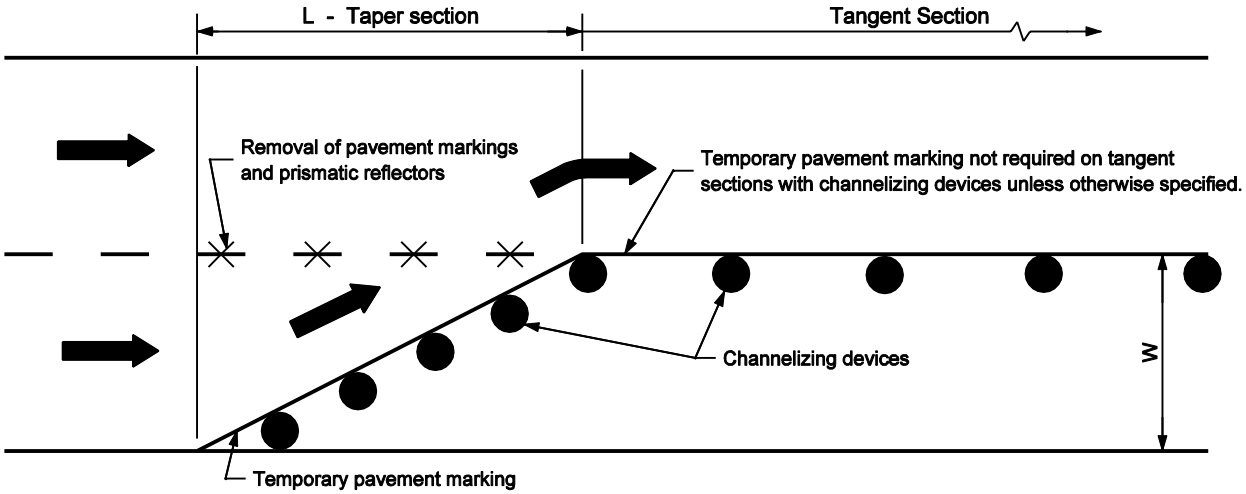

S	L			
(MPH)	W = 9	W = 10	W = 11	W = 12
(20)	60	70	70	80
(25)	100	100	120	120
(30)	140	150	170	180
(35 & 40)	180 & 240	200 & 270	290 & 300	245 & 320
(45)	400	450	500	540
(50)	450	500	550	600
(55)	500	550	610	660
(65)	590	650	700	780

LEGEND

L - Minimum length of taper in feet

S - Posted speed limit prior to the construction zone in km/h.

W - Width of offset in feet.

The values of L for speeds of 45 mph or greater are based on the equation $L = W \times S$. The values for speeds of less than 40 mph are based on the equation $L = W \times S^2/60$. For both equations, L and W are in feet and S is in mph. These equations are taken from the MUTCD.
The taper lengths used in the field, may be either the values provided in the table or calculated values from the equations. For offset widths other than those used in the table, the taper lengths shall be calculated based on the equations.

INDIANA DEPARTMENT OF TRANSPORTATION

MERGING OR SHIFTING TAPER

SEPTEMBER 2002

STANDARD DRAWING NO. E 801-TCDV-03

RICHARD L. VanCLEAVE REGISTERED No. 9750 STATE OF INDIANA PROFESSIONAL ENGINEER
DESIGN STANDARDS ENGINEER

/s/ Richard L. VanCleave 9-03-02
DESIGN STANDARDS ENGINEER DATE

/s/ Richard K. Smutzer 9-03-02
CHIEF HIGHWAY ENGINEER DATE