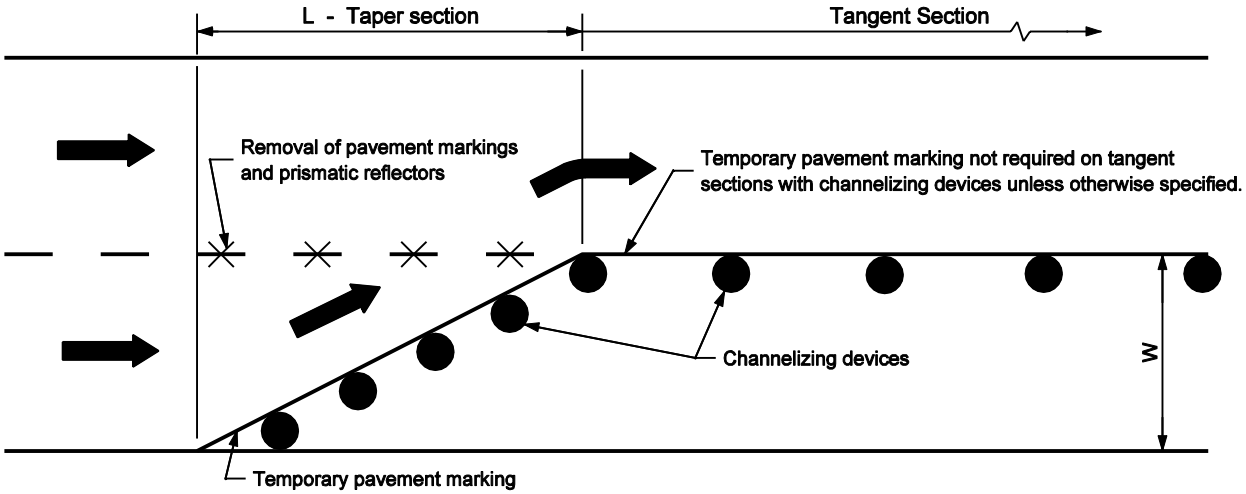

S		L			
km/h	(MPH)	W = 2.7	W = 3.0	W = 3.3	W = 3.6
30	(20)	15	20	20	20
40	(25)	30	30	35	40
50	(30)	45	50	55	60
60	(35 & 40)	65	70	75	85
70	(45)	120	130	145	155
80	(50)	135	150	165	180
90	(55)	150	165	185	200
100	(65)	165	185	205	225

The values of L for speeds of 70 km/h or greater are based on the equation L = 0.62 W x S. The values for speeds of less than 70 km/h are based on the equation $L = W \times S^2/155$. For both equations, L and W are in meters and S is in km/h. These equations were converted from the English equations in 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.

LEGEND

L - Minimum length of taper in meters

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

W - Width of offset in meters.

All Dimension are in mm unless otherwise specfied

INDIANA DEPARTMENT OF TRANSPORTATION

MERGING OR SHIFTING TAPER

SEPTEMBER 2002

STANDARD DRAWING NO. 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