

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.

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)	500	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 $L = 0.62 W \times S$. The values for speeds of less than 70 km/h or lower are based on the equation $L = W \times S^2/155$. For both equations, L and W are in meters and S is km/h. 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.

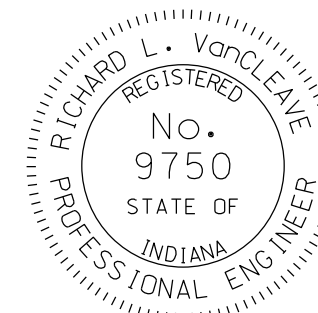
All Dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

MERGING OR SHIFTING TAPER

SEPTEMBER 2009

STANDARD DRAWING NO. 801-TCDV-03



DESIGN STANDARDS ENGINEER

/s/ Richard L. VanCleave 09/01/09
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/09
CHIEF HIGHWAY ENGINEER DATE