

LEGEND

- L - Minimum length of taper in feet.
- S - Posted speed limit prior to the construction zone in mph.
- W - Width of offset in feet.

S	L			
	W = 9	W = 10	W = 11	W = 12
MPH				
20	60	70	70	80
25	90	100	120	130
30	140	150	170	180
35 & 40	180 & 240	200 & 270	220 & 300	250 & 320
45	400	450	500	540
50	450	500	550	600
55	500	550	610	660
65	590	650	720	780

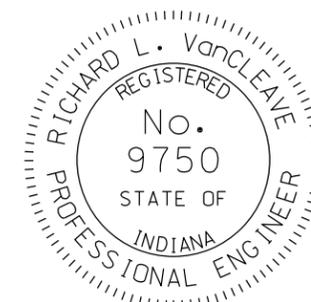
The values of L for speeds of 45 mph or greater are based on the equation $L = W \times S$. The values for speeds of less than 40 mph or lower are based on the equation $L = W \times S^2/60$. For both equations, L and W are in feet and S is mph. These equations are taken from the MUTCD. The taper lengths 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 2009

STANDARD DRAWING NO. E 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