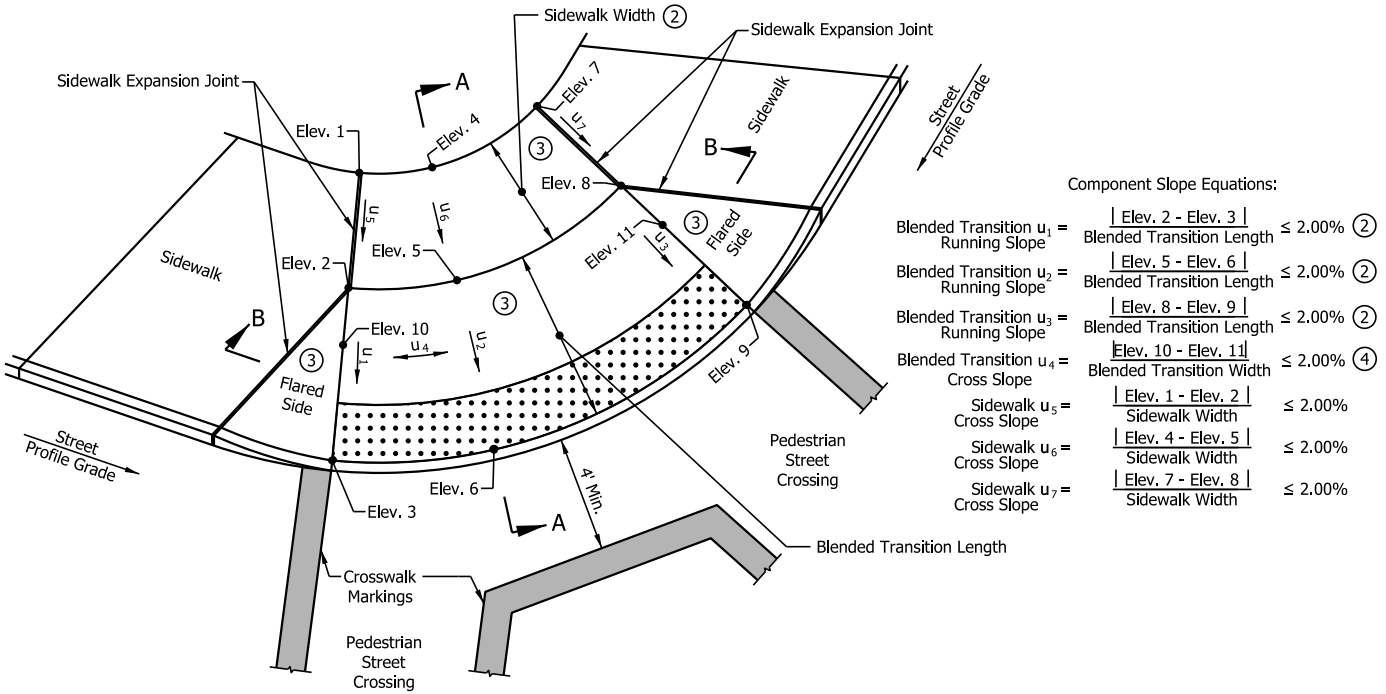


Component Slope Equations:

Blended Transition u_1 Running Slope = $\frac{|\text{Elev. 2} - \text{Elev. 3}|}{\text{Blended Transition Length}} \le 2.00\%$ (2)

Blended Transition u_2 Running Slope = $\frac{|\text{Elev. 5} - \text{Elev. 6}|}{\text{Blended Transition Length}} \le 2.00\%$ (2)

Blended Transition u_3 Running Slope = $\frac{|\text{Elev. 8} - \text{Elev. 9}|}{\text{Blended Transition Length}} \le 2.00\%$ (2)

Blended Transition u_4 Cross Slope = $\frac{|\text{Elev. 10} - \text{Elev. 11}|}{\text{Blended Transition Width}} \le 2.00\%$ (4)

Sidewalk u_5 Cross Slope = $\frac{|\text{Elev. 1} - \text{Elev. 2}|}{\text{Sidewalk Width}} \le 2.00\%$

Sidewalk u_6 Cross Slope = $\frac{|\text{Elev. 4} - \text{Elev. 5}|}{\text{Sidewalk Width}} \le 2.00\%$

Sidewalk u_7 Cross Slope = $\frac{|\text{Elev. 7} - \text{Elev. 8}|}{\text{Sidewalk Width}} \le 2.00\%$

NOTES:

(1) The bottom edge of the blended transition and top of curb shall be flush with the edge of adjacent pavement and gutter line.

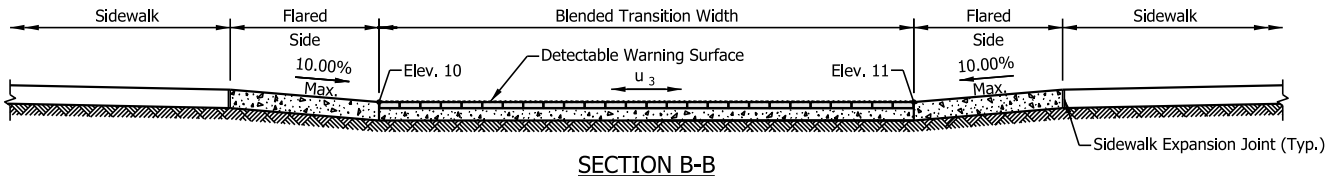
(2) Where the running slope is less than or equal to 2.00% a 4-ft minimum sidewalk is not required, behind the blended transition. Where the running slope is greater than 2.00%, a 4-ft minimum sidewalk shall continue behind the blended transition and the running slope shall not exceed 5.00%.

(3) Curb ramp surface shall be coarse broomed transverse to the running slope.

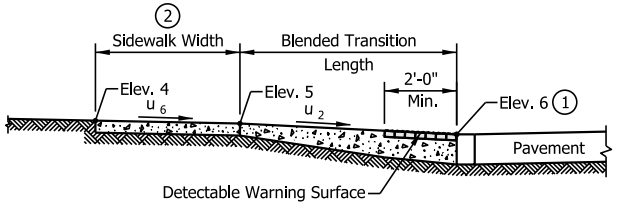
(4) See Standard Drawing E 604-SWCR-01 for cross slope exceptions.

5. See Standard Drawing E 604-SWCR-12, -13, and -14 for Detectable Warning Surface placement, configuration, and details.

6. See Standard Drawing E 604-CCSJ-01 for sidewalk expansion joint details.



SECTION B-B



SECTION A-A

LEGEND:

Ramp

Detectable Warning Surface

INDIANA DEPARTMENT OF TRANSPORTATION

BLENDED TRANSITION CURB RAMP COMPONENT DETAILS

SEPTEMBER 2016

STANDARD DRAWING NO. E 604-SWCR-10

ELIZABETH W. PHILLIPS REGISTERED No. 10200124 STATE OF INDIANA PROFESSIONAL ENGINEER

/s/ Elizabeth W. Phillips 03/15/16
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 03/18/16
CHIEF ENGINEER DATE