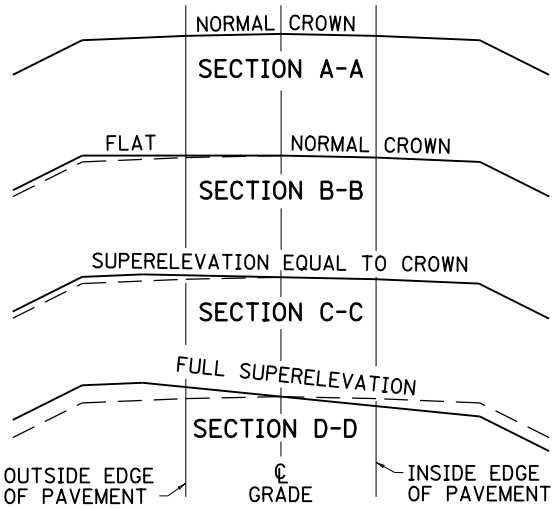
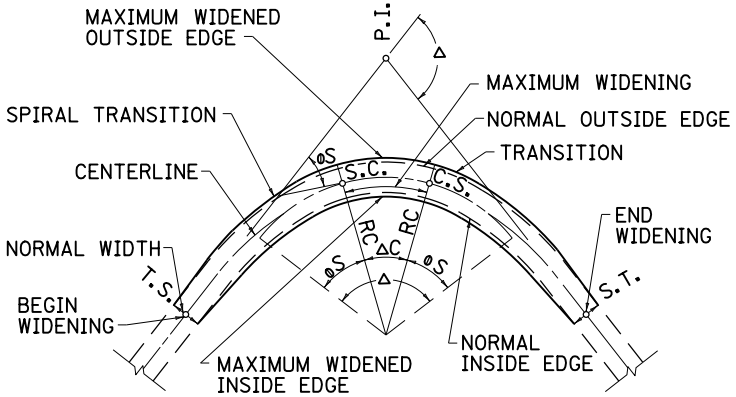
~ SECTIONS ~



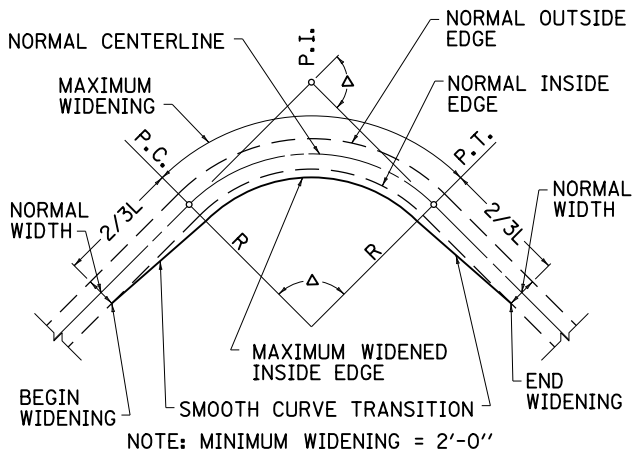
CURVE WIDENING FOR SPIRAL TRANSITION CURVES
(WIDENING DIVIDED EQUALLY ON EACH SIDE)

NOTE: IF DIRECTED, SPIRAL TRANSITION CURVES SHALL BE WIDENED ON INSIDE ONLY.



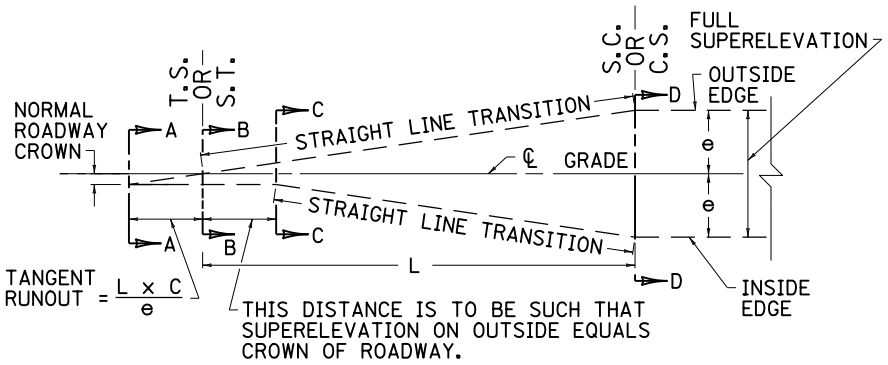
NOTE: MINIMUM WIDENING = 2′-0″ ⑥

CURVE WIDENING FOR SIMPLE CURVES
(WIDENED ON INSIDE ONLY)



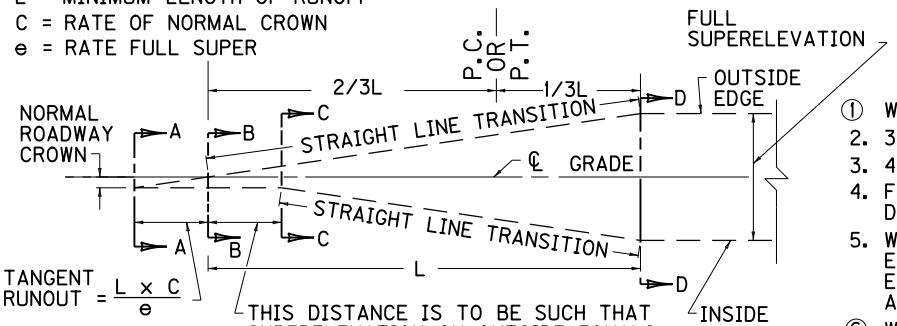
NOTE: MINIMUM WIDENING = 2′-0″
L = MINIMUM LENGTH OF RUNOFF.

SUPERELEVATION TRANSITION FOR CURVES
SINGLE LANE PAVEMENT



(SPIRAL CURVES)

L = MINIMUM LENGTH OF RUNOFF
C = RATE OF NORMAL CROWN
e = RATE FULL SUPER



(SIMPLE CURVES)

CURVE WIDENING IN FEET FOR TWO-LANE PAVEMENTS ⑥

① PVMT. WIDTH	24 FEET			22 FEET					20 FEET			
RADIUS OF CURVE	DESIGN SPEED (MPH)											
	30	40	50	30	40	50	60	70	30	40	50	60
5000′												2.0
2500′									2.0	2.0	2.0	2.5
2000′								2.0	2.0	2.0	2.5	2.5
1500′							2.0	2.0	2.0	2.5	2.5	3.0
1200′						2.0	2.0		2.5	2.5	2.5	3.0
1000′					2.0	2.0	2.5		2.5	3.0	3.0	3.5
825′					2.0	2.5			2.5	3.0	3.5	
700′				2.0	2.0	2.5			3.0	3.0	3.5	
600′			2.0	2.0	2.5	3.0			3.0	3.5	4.0	
550′				2.0	2.5				3.0	3.5		
425′		2.0		2.5	3.0				3.5	4.0		
350′	2.0			3.0					4.0			
300′	2.5			3.5					4.5			
250′	3.0			4.0					5.0			
225′	3.5			4.5					5.5			

~ NOTES ~

① WIDTH OF PAVEMENT ON TANGENT.
2. 3-LANE PAVEMENTS: MULTIPLY ABOVE VALUES BY 1.5.
3. 4-LANE PAVEMENTS: MULTIPLY ABOVE VALUES BY 2.
4. FOR INTERMEDIATE DESIGN SPEEDS, USE THE NEXT HIGHER DESIGN SPEED VALUE.
5. WHEN REQUIRED ON CONSTRUCTION, CURVES SHALL BE SUPER-ELEVATED BY REVOLVING SECTION AROUND INSIDE OR OUTSIDE EDGE AS DIRECTED. SHORT VERTICAL CURVES TO BE INSERTED AT ″D″ AND ″A″ WHERE DIRECTED ON CONSTRUCTION.

⑥ WHEN SEMI-TRAILER VOLUMES ARE SIGNIFICANT, REFER TO THE AASHTO ″ A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS″ MANUAL.

KENTUCKY DEPARTMENT OF HIGHWAYS

CURVE WIDENING AND SUPERELEVATION TRANSITIONS

STANDARD DRAWING NO. RGS-001-07

SUBMITTED William S. Hulett — DIRECTOR, DIVISION OF DESIGN — 12-01-15 DATE

APPROVED — STATE HIGHWAY ENGINEER — 12-01-15 DATE