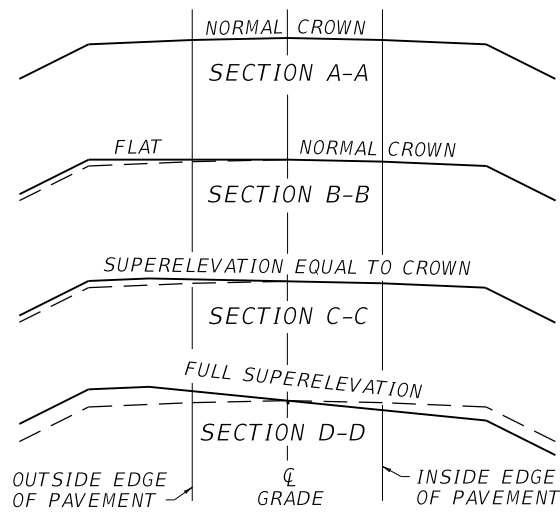
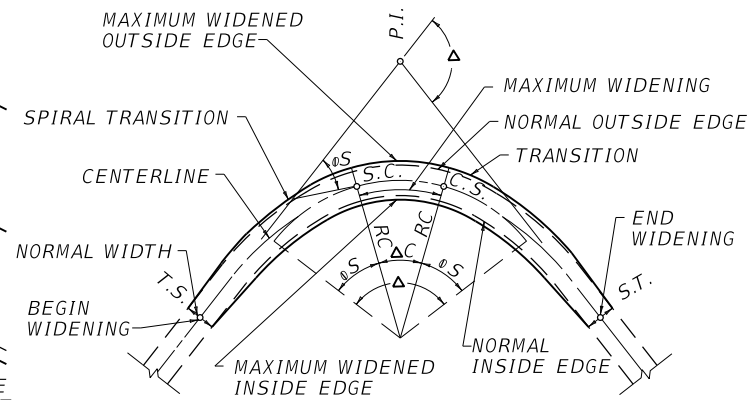


~ SECTIONS ~



CURVE WIDENING FOR SPIRAL TRANSITION CURVES

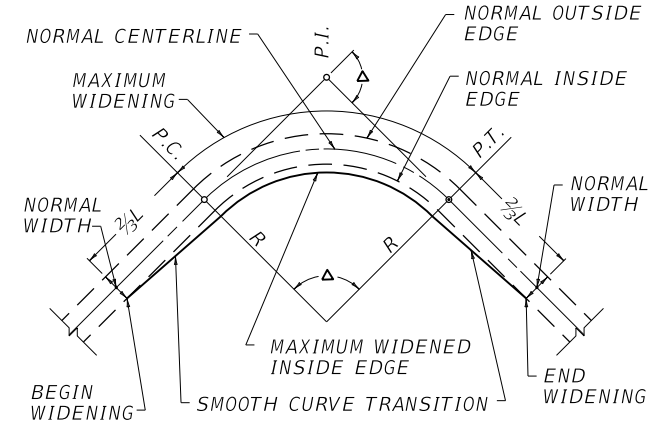
(WIDENING DIVIDED EQUALLY ON EACH SIDE)
NOTE: IF DIRECTED, SPIRAL TRANSITION CURVES SHALL BE WIDENED ON INSIDE ONLY.



NOTE: MINIMUM WIDENING = 2'-0" ⑥

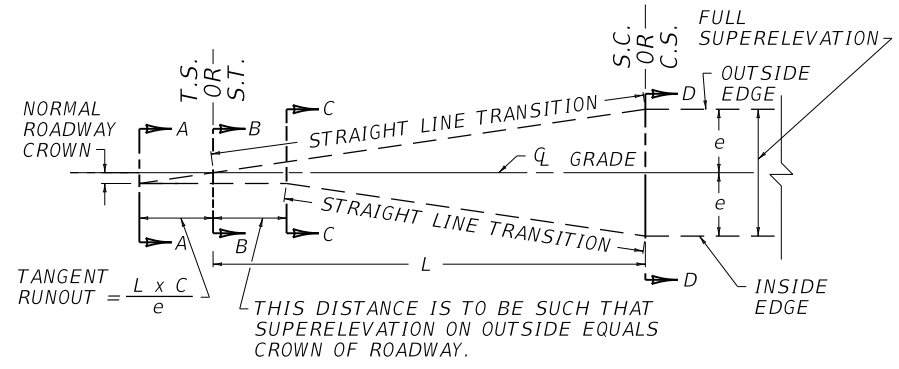
CURVE WIDENING FOR SIMPLE CURVES

(WIDENED ON INSIDE ONLY)



NOTE: MINIMUM WIDENING = 2'-0"
L = MINIMUM LENGTH OF RUNOFF.

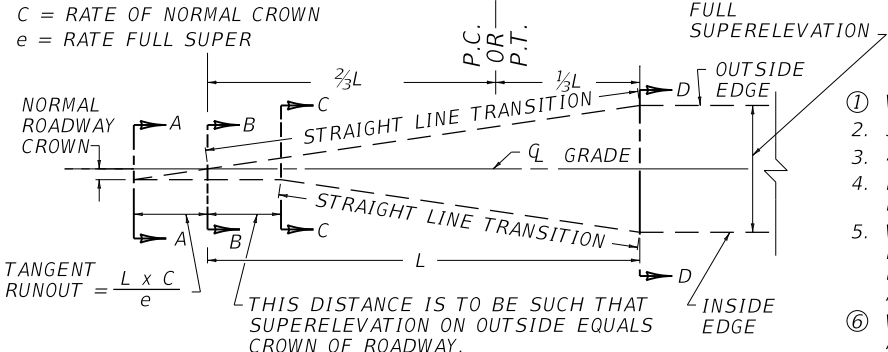
SUPERELEVATION TRANSITION FOR CURVES
SINGLE LANE PAVEMENT



THIS DISTANCE IS TO BE SUCH THAT SUPERELEVATION ON OUTSIDE EQUALS CROWN OF ROADWAY.

(SPIRAL CURVES)

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



THIS DISTANCE IS TO BE SUCH THAT SUPERELEVATION ON OUTSIDE EQUALS CROWN OF ROADWAY.

(SIMPLE CURVES)

CURVE WIDENING IN FEET FOR
TWO-LANE PAVEMENTS ⑥

① PVMT. WIDTH	24 FEET			22 FEET			20 FEET					
	DESIGN SPEED (MPH)											
RADIUS OF CURVE	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 SUPERELEVATED 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 *[Signature]* 12-01-15
DATE
APPROVED *[Signature]* 12-01-15
DATE