SUPERELEVATION AND WIDENING TABLE, e_{max}= 8%

DESIGN SPEED	50 M.P.H.					60 M.P.H.				70 M.P.H.		
NORMAL SURFACE WIDTH			20′	22′	24′			22′	24′			24′
RADIUS (FEET)	e%	L	W			e%	L	W		e%	L	W
17000	NC	0	0	0	0	NC	0	0	0	NC	0	0
14000	NC	0	0	0	0	NC	0	0	0	RC	90	0
12000	NC	0	0	0	0	NC	0	0	0	RC	90	0
10000	NC	0	0	0	0	RC	80	0	0	2.1	95	0
8000	NC	0	0	0	0	2.1	84	0	0	2.6	117	0
6000	RC	72	0	0	0	2.7	108	0	0	3.4	153	0
5000	2.4	86	2.0	0	0	3.2	126	0	0	4.1	184	0
4000	2.9	104	2.0	0	0	3.9	156	2.0	0	4.9	221	0
3500	3.2	115	2.0	0	0	4.4	176	2.0	0	5.5	248	0
3000	3.7	133	2.5	0	0	5.0	200	2.0	0	6.3	283	0
2500	4.3	155	2.5	0	0	5.7	228	2.0	0	7.2	324	0
2000	5.1	184	2.5	0	0	6.6	264	2.0	0	7.9	356	0
1800	5.5	196	3.0	2.0	0	7.1	284	2.0	0			
1600	5.9	212	3.0	2.0	0	7.5	300	2.5	0			
1400	6.4	230	3.0	2.5	0	7.8	312	2.5	0			
1200	7.0	252	3.5	2.5	0							
1000	7.6	274	3.5	3.0	2.0							
900	7.8	281	4.0	3.5	2.5							
800	8.0	288	4.5	3.5	2.5							

MIN RADIUS = 1820′

MIN RADIUS = 1205′

MIN RADIUS = 750′

SUPERELEVATION AND WIDENING TABLE, e_{max}= 4%

DESIGN SPEED	50 M.P.H.					60 M.P.H.			
NORMAL SURFACE WIDTH			20′	22′	24′			22′	24′
RADIUS (FEET)	e%	L	W			e%	L	W	
10000	NC	0	0	0	0	NC	0	0	0
8000	NC	0	0	0	0	RC	80	0	0
6000	RC	72	0	0	0	2.3	92	0	0
5000	RC	72	2.0	0	0	2.5	100	0	0
4000	2.3	83	2.0	0	0	2.8	112	0	0
3500	2.5	90	2.0	0	0	3.0	120	0	0
3000	2.7	97	2.5	0	0	3.3	132	0	0
2500	2.9	104	2.5	0	0	3.5	140	0	0
2000	3.2	115	2.5	0	0	3.8	152	0	0
1800	3.3	119	3.0	2.0	0	3.9	156	2.0	0
1600	3.5	126	3.0	2.0	0	4.0	160	2.5	0
1400	3.7	133	3.0	2.5	0				
1200	3.9	140	3.5	2.5	0				
1000	4.0	144	3.5	3.0	2.0				

RADIUS = 1505′

MIN RADIUS = 930′

TABLE NOTES:

"NC" DENOTES NORMAL CROSS SLOPE.

"RC" DENOTES REMOVE ADVERSE CROSS SLOPE, SUPERELEVATE AT NORMAL CROSS SLOPE.

"e" DENOTES THE SUPERELEVATION IN PERCENT (%).

"L" THE LENGTH OF SUPERELEVATION RUNOFF AND WIDENING TRANSITION IN FEET FOR A 4 LANE DIVIDED HIGHWAY.

"W" THE WIDENING IN FEET FOR SURFACING AT INSIDE SHOULDERS.

VALUE FOR A RADIUS NOT SHOWN IN ABOVE TABLE SHALL BE IDENTICAL TO THOSE FOR THE NEAREST TABULATED RADIUS. IN CASE OF TIE, USE VALUES OF NEXT LARGER RADIUS.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

STATE OF MISSOURI
KATHRYN PHILLIPS HARVEY
NUMBER PE-23751
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

SUPERELEVATION, SPIRALS AND WIDENING

DIVIDED HIGHWAYS

DATE EFFECTIVE: 04/01/2002
DATE PREPARED: 8/21/2009

203.21J

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.