



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

"W"																					
CALCULATED AND DESIGN VALUES FOR TRAVELED WAY WIDENING ON OPEN HIGHWAY CURVES (TWOLANE HIGHWAYS, ONE-WAY OR TWO-WAY)[WB-67 ADJUSTMENT]																					
CURVE RADIUS (FT)	24' ROADWAY WIDTH						22' ROADWAY WIDTH						20' ROADWAY WIDTH								
	DESIGN SPEED (MPH)						DESIGN SPEED (MPH)						DESIGN SPEED (MPH)								
	30	35	40	45	50	55	60	30	35	40	45	50	55	60	30	35	40	45	50	55	60
7000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.8	1.8	1.9	1.9	2.0	2.1	2.1
6500	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.8	1.9	1.9	2.0	2.1	2.1	2.2
6000	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.8	1.9	2.0	2.0	2.1	2.2	2.3
5500	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.9	2.0	2.0	2.1	2.2	2.2	2.4
5000	0.1	0.1	0.1	0.2	0.2	0.3	0.5	1.0	1.0	1.1	1.2	1.2	1.3	1.4	2.0	2.0	2.1	2.2	2.2	2.3	2.5
4500	0.1	0.1	0.2	0.2	0.3	0.4	0.6	1.0	1.1	1.2	1.2	1.3	1.4	1.5	2.0	2.1	2.2	2.2	2.3	2.4	2.6
4000	0.1	0.2	0.3	0.3	0.4	0.5	0.7	1.1	1.2	1.3	1.3	1.4	1.5	1.6	2.1	2.2	2.3	2.3	2.4	2.5	2.7
3500	0.2	0.3	0.4	0.5	0.6	0.6	0.8	1.2	1.3	1.4	1.5	1.6	1.6	1.7	2.2	2.3	2.4	2.5	2.6	2.6	2.8
3000	0.4	0.5	0.5	0.6	0.7	0.8	0.9	1.4	1.5	1.5	1.6	1.7	1.8	1.9	2.4	2.5	2.5	2.6	2.7	2.8	2.9
2500	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.7	2.8	2.9	3.0	3.1	3.2	3.3
2000	0.9	1.1	1.2	1.3	1.4	1.5	1.6	1.9	2.1	2.2	2.3	2.4	2.5	2.6	2.9	3.1	3.2	3.3	3.4	3.5	3.6
1800	1.1	1.2	1.3	1.5	1.6	1.7	1.8	2.1	2.2	2.3	2.5	2.6	2.7	2.8	3.1	3.2	3.3	3.5	3.6	3.7	3.8
1600	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.3	2.4	2.5	2.7	2.8	2.9	3.0	3.3	3.4	3.5	3.7	3.8	3.9	4.0
1400	1.6	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.8	2.9	3.0	3.2	3.3	3.4	3.6	3.8	3.9	4.0	4.4	4.3	4.4
1200	2.0	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8
1000	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4
900	2.8	3.0	3.1	3.3	3.5	3.6		3.8	4.0	4.1	4.3	4.5	4.6		4.8	5.0	5.1	5.3	5.5	5.6	
800	3.2	3.4	3.6	3.8	4.0	4.1		4.2	4.4	4.6	4.8	5.0	5.1		5.2	5.4	5.6	5.8	6.0	6.1	
700	3.8	4.0	4.2	4.4	4.6			4.8	5.0	5.2	5.4	5.6			5.8	6.0	6.2	6.4	6.6		
600	4.5	4.7	4.9	5.1	5.3			5.5	5.7	5.9	6.1	6.3			6.5	6.7	6.9	7.1	7.3		
500	5.4	5.7	5.9	6.1				6.4	6.7	6.9	7.1				7.4	7.7	7.9	8.1			
450	6.1	6.3	6.6					7.1	7.3	7.6					8.1	8.3	8.6				
400	6.9	7.1	7.4					7.9	8.1	8.4					8.9	9.1	9.4				
350	7.9	8.1	8.4					8.9	9.1	9.4					9.9	10.1	10.4				
300	9.2	9.5						10.2	10.5						11.2	11.5					
250	11.2							12.2							13.2						
200	14.0							15.0							16.0						

TABLE NOTES:

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

VALUES SHOWN ARE FOR WB-67 DESIGN VEHICLE AND REPRESENT WIDENING IN FEET.

VALUES LESS THAN 2.0 FEET MAY BE DISREGARDED.

FOR 3-LANE ROADWAYS, MULTIPLY ABOVE VALUES BY 1.5.

FOR 4-LANE ROADWAYS, MULTIPLY ABOVE VALUES BY 2.0.



**MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION**

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**SUPERELEVATION,  
SPIRALS AND WIDENING**



THIS SHEET HAS BEEN  
SIGNED, SEALED AND DATED  
ELECTRONICALLY.

DATE EFFECTIVE: 07/01/2017  
DATE PREPARED: 5/1/2017

203.22

SHEET NO.  
2 OF 2