

A	FOR SPECIFIC CONDITIONS NOT COVERED ON THIS SHEET, REFERENCE SHOULD BE MADE TO "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS," AASHTO, 2001.
B	PAGE NUMBERS REFERRED TO ON THIS DRAWING ARE FROM "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS," AASHTO, 2001, UNLESS OTHERWISE NOTED.
0	REFERENCE SHOULD ALSO BE MADE TO THE "ROADSIDE DESIGN GUIDE," AASHTO, 2002.

TABLE I.GUIDE VALUES FOR RAMP DESIGN SPEED AS RELATED TO HIGHWAY DESIGN SPEED (SEE PAGE 830)											
3 HIGHWAY 8 DESIGN SPEEDS, MPH	30	35	40	45	50	55	60	65	70		
(11) RAMP DESIGN SPEED, MPH											
UPPER RANGE (85%)	25	30	35	40	45	48	50	55	60	SEE PAGE 830	
MIDDLE RANGE (70%)	20	25	30	35	35	40	45	45	50		
LOWER RANGE (50%)	15	20	20	25	25	30	30	30	35		
CORRESPONDING MINIMUM RADIUS (FT)	230	310	(15) 450	(15) 565	(14)	(14)	(14)	(14)	(14)	SEE PAGE 201	

(9) TABLE II. STOPPING SIGHT DISTANCE FOR RAMPS (SEE PAGE II2)													
\bigcirc													
DESIGN SPEEDS, MPH	15	20	25	30	35	40	45	50	55	60	65	70	
MINIMUM, FEET	80	115	155	200	250	305	360	425	495	570	645	730	

N RA 833)		MINOR REVISION FHWA APPROVAL NOT REQUIRED.
RADE	DOWNGRADE	STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
-8%	6-8% 5-7%	DESIGN STANDARDS
-6%	4-6% 3-5%	I & 2 LANE
		RAMPS
		10-15-02 RD01-TS-4

ABLE IV. RECOMMENDED SIGN GRADES ON RAMPS (SEE PAGES 832-833)									
SPEED PH)	UPGRADE	DOWNGRADE							
25	6-8%	6-8%							
·30	5-7%	5-7%							
0	4-6%	4-6%							
GREATER	3-5%	3-5%							

COMPOUND CURVE RADII (SEE PAGE 192)											
S, FEET	100	150	200	250	300	400	500 OR MORE				
ENGTH OF AR ARC											
BLE, FEET	40	50	60	80	100	120	140				
LE, FEET	60	70	90	120	140	180	200				

TABLE III. LENGTHS OF CURVE FOR DIFFERENT COMPOUND CURVE RADII (SEE PAGE 192)DIFFERENT 12											
, FEET	100	150	200	250	300	400	500 OR MORE				
ENGTH OF AR ARC											
BLE, FEET	40	50	60	80	100	120	140				
_E,FEET	60	70	90	120	140	180	200				

TABLE III. LENGTHS OF CURVE FOR DIFFERENT COMPOUND CURVE RADII (SEE PAGE 192)DIFFERENT 12											
, FEET	100	150	200	250	300	400	500 OR MORE				
ENGTH OF AR ARC											
BLE, FEET	40	50	60	80	100	120	140				
F FFFT	60	70	90	120	140	180	200				

REV. 10-15-02: NEW SHEET.

SHOULDERS TO CONSTANT SLOPE