

ALLOWABLE RANGES TABLE

FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

A. NORMAL CROWN

SECTION WITH GRADES 0.5% OR GREATER	SECTION WITH GRADES LESS THAN 0.5%
0.0150 FT/FT - MINIMUM	0.0150 FT/FT - MINIMUM
0.0200 FT/FT - DESIRABLE	0.0200 FT/FT - DESIRABLE
0.0250 FT/FT - MAXIMUM	0.0300 FT/FT - MAXIMUM

B. SUPERELEVATION RATE

S. E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.

C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)

RATE OF CHANGE	CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT
MINIMUM 1:150	0.6%
DESIRABLE 1:200	0.50%
MAXIMUM 1:300	0.33%

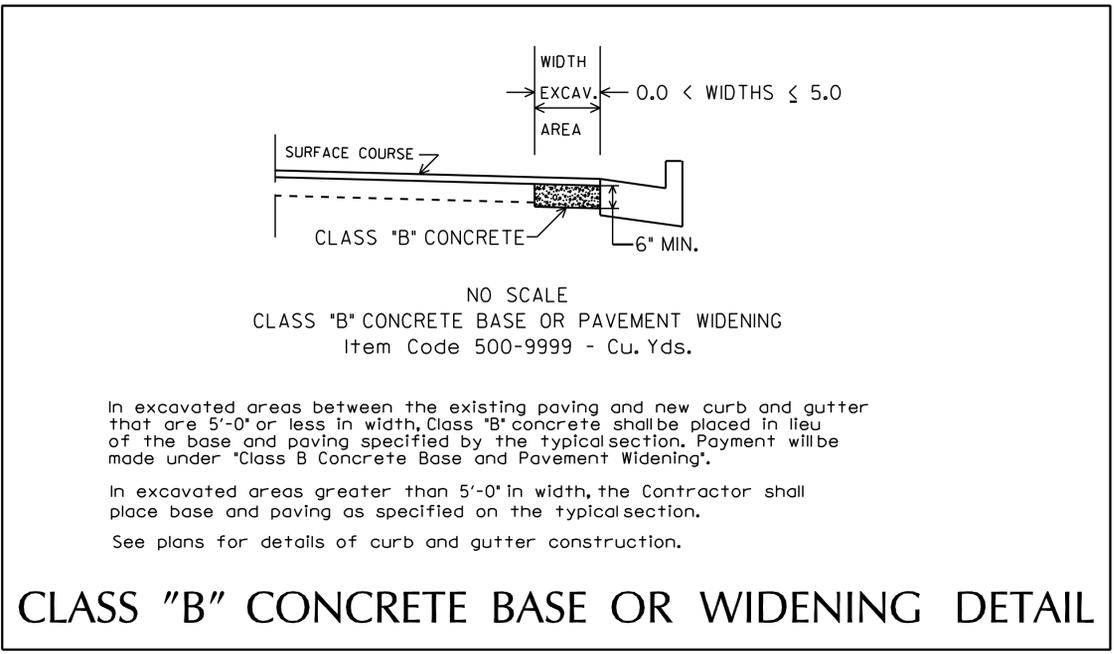
LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.

D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

50% OF TRANSITION INSIDE CURVE - MAXIMUM
 33% OF TRANSITION INSIDE CURVE - DESIRABLE
 20% OF TRANSITION INSIDE CURVE - MINIMUM

NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.

E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).



- REQUIRED PAVEMENT**
- Ⓐ PLAIN PC CONCRETE PVMT, CL3 CONCRETE, 12 IN THK
 - Ⓑ RECYCLED ASPH CONCRETE 12.5mm SUPERPAVE, GP 2 ONLY, INCL BITUM (165 LBS/SY)
 - Ⓒ RECYCLED ASPH CONCRETE 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM (220 LBS/SY)
 - Ⓓ RECYCLED ASPH CONCRETE 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM (440 LBS/SY)
 - Ⓔ GR AGGR BASE CRS, 6 IN INCL MATL
 - Ⓕ GR AGGR BASE CRS, 12 IN INCL MATL
 - Ⓖ MILL ASPH CONC PVMT, 1 1/2 IN DEPTH
 - Ⓖ RECYCLED ASPH CONCRETE PATCHING, INCL BITUM MATL & H LIME (AS REQUIRED)

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