



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	0.0156 FT/FT - MINIMUM
0.0200 FT/FT - DESIRABLE	0.0200 FT/FT - DESIRABLE
0.0250 FT/FT - MAXIMUM	0.0300 FT/FT - MAXIMUM

B. SUPER ELEVATION RATE

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

C. SUPER ELEVATION 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	0.67%
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 SUPER ELEVATION 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).

- Ⓐ 90 LBS/SY ASPH CONC 12.5 MM OGFC, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME
- Ⓑ 220 LBS/SY RECYCLED ASPH CONC 12.5 MM SMA, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME
- Ⓒ 220 LBS/SY RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME
- Ⓓ 440 LBS/SY RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME
- Ⓔ 1100 LBS/SY RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME
- Ⓕ 1320 LBS/SY RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME
- Ⓖ GRADED AGGREGATE BASE, 12"
- Ⓗ GDOT DETAIL P7
- Ⓙ 220 LBS/SY RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME
- Ⓚ CONTINUOUS INDENTATION RUMBLE STRIPS
- Ⓛ CONCRETE SIDE BARRIER, VARIES, WHERE REQUIRED TYP

- Ⓜ CONCRETE MEDIAN BARRIER, TYPE S W/ GLARE SCREEN
- Ⓨ MILL ASPH CONC PVMT, VARIABLE DEPTH
- Ⓩ REMOVE RUMBLE STRIPS
- ⓐ LEVELING, IF REQUIRED
- ⓑ GRADED AGGREGATE BASE, 6" MIN
- ⓓ GDOT DETAIL S-6, UP TO 10' WIDTH
- ⓕ MILL ASPH CONC PVMT, 2.818"

- NOTES:**
- 1) SEE DWGS. 05-018 & 05-019 SUPERELEVATION RATES AND TRANSITIONS
 - 2) ALGEBRAIC DIFFERENCE IN TRAVELWAY AND SHOULDER SLOPES NOT TO EXCEED 8%
 - 3) SAFETY EDGE TREATMENT REQUIRED ON OUTSIDE SHOULDER WHERE GUARDRAIL OR BARRIER IS NOT USED. SEE GA DETAIL P7
 - 4) RUMBLE STRIPS ARE ONLY REQUIRED WITH DOUBLE SOLID STRIPED 2' BUFFER ZONE AS INDICATED. SEE SIGNING & MARKING PLANS FOR LOCATIONS
 - 5) RUMBLE STRIPS ARE REQUIRED FOR INSIDE PAVED SHOULDERS WIDTHS EQUAL OR GREATER THAN 4'



**RELEASE
FOR CONSTRUCTION
07/27/2016**

NO SCALE

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE DELIVERY

TYPICAL SECTIONS

PROJECT: I-85 NORTH EXPRESS LANE EXTENSION
COUNTY: GWINNETT

DRAWING No.
5-001