

**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
0.0208 FT/FT - DESIRABLE	0.0208 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	0.67%
DESIRABLE 1:200	0.50%
MAXIMUM 1:300	0.33%

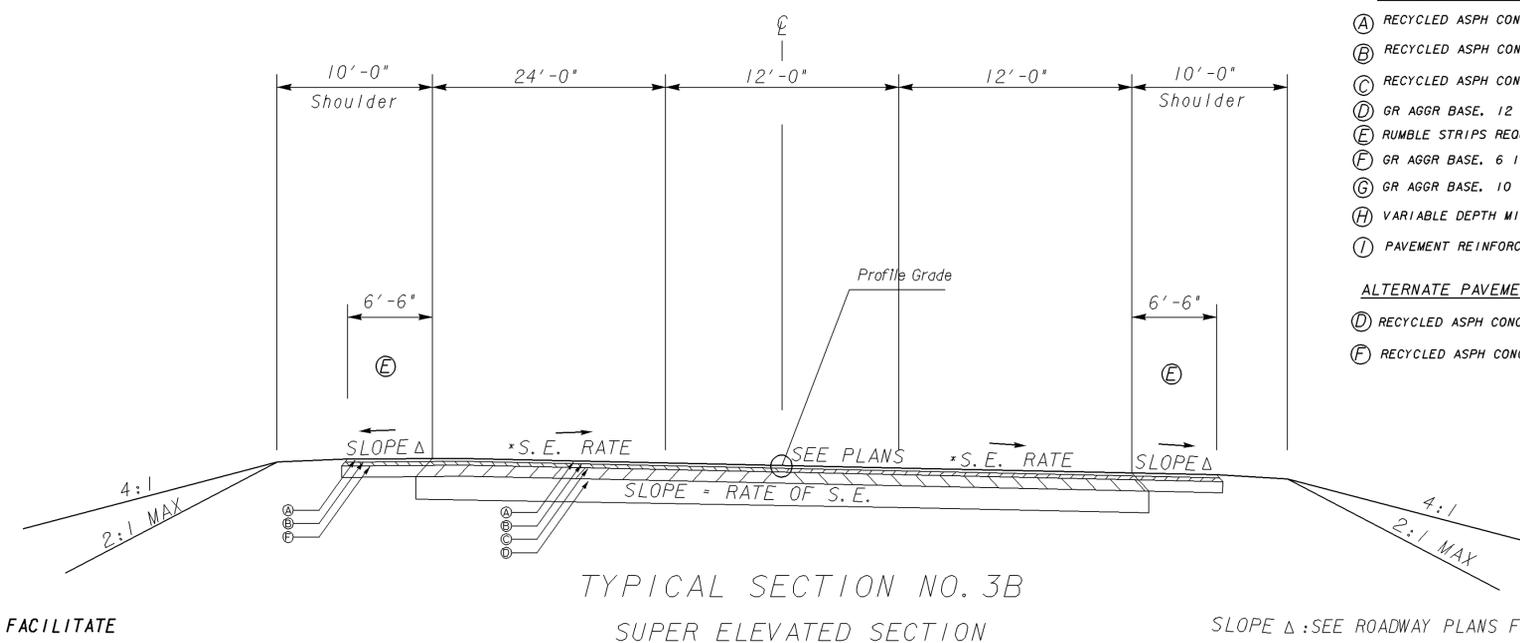
LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.

D. POSITIONING OF 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).



- PAVEMENT MATERIAL SCHEDULE**
- (A) RECYCLED ASPH CONC 12.5mm SUPERPAVE, GP 2, INCL BITUM MATL & H LIME @ 165 LB/SY
  - (B) RECYCLED ASPH CONC 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME @ 220 LB/SY.
  - (C) RECYCLED ASPH CONC 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME @ 440 LB/SY.
  - (D) GR AGGR BASE, 12 INCH, INCL MATL (SEE ALTERNATE PAVEMENT SCHEDULE)
  - (E) RUMBLE STRIPS REQUIRED (SEE DETAIL)
  - (F) GR AGGR BASE, 6 INCH, INCL MATL (SEE ALTERNATE PAVEMENT SCHEDULE)
  - (G) GR AGGR BASE, 10 INCH, INCL MATL (SEE ALTERNATE PAVEMENT SCHEDULE)
  - (H) VARIABLE DEPTH MILLING OF ASPH CONC PAVEMENT
  - (I) PAVEMENT REINFORCING FABRIC STRIP, TYPE 2, 18 INCH
- ALTERNATE PAVEMENT MATERIAL SCHEDULE**
- (D) RECYCLED ASPH CONC 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME @ 660 LB/SY.
  - (F) RECYCLED ASPH CONC 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME @ 330 LB/SY.

ALGEBRAIC DIFFERENCE IN PAVING AND SHOULDER NOT TO EXCEED 8% MAX BREAKOVER  
 SHOULDER MAY BE GRADED AWAY FROM ROADWAY TO FACILITATE THE SLOPE TIE TO EXISTING GROUND.  
 GAB PAY LIMITS AS SHOWN ON TYPICAL UNDER ROADWAY AND SHOULDER.

SLOPE Δ: SEE ROADWAY PLANS FOR SUPERELEVATION RATES AND TRANSITIONS.  
 NOTE: FOR METHOD OF SUPERELEVATION SEE CONSTR PLAN & PROFILE SHEETS-CURVE DATA. LOCATIONS OF NORMAL CROWN & FULL S.E. NOTED ON CONSTR CENTERLINE.  
 \*SEE PLAN SHEETS.

**GEORGIA**  
 DEPARTMENT  
 OF  
 TRANSPORTATION

NOT TO SCALE

REVISION DATES

STATE OF GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 OFFICE: ROADWAY DESIGN  
**TYPICAL SECTIONS**  
 BRIDGE OVER HEART OF GEORGIA RAILROAD

DRAWING No. 05-003