

\*\*\* STANDARD CROSS - SLOPE MAY BE VARIED - AS DIRECTED BY THE ENGINEER - TO BEST FIT THE EXISTING ROADWAY AS PER SECTION 149 OF THE STANDARD SPECIFICATIONS. SEE "ALLOWABLE RANGES TABLE" BELOW.

**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 0.5% OR LESS |
| 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 S.E. RATE EXISTING IN FIELD (WHICHEVER IS GREATER)

**C: SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT TO FULL S.E.)**

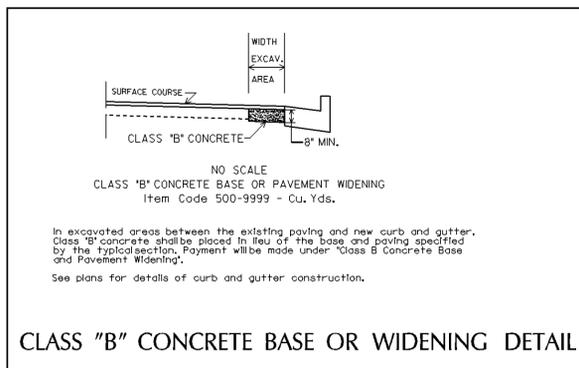
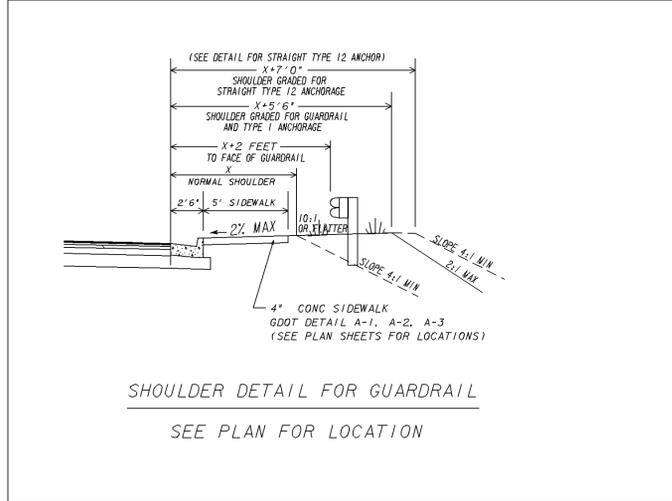
| RATE OF CHANGE  | CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT |
|-----------------|--|
| MINIMUM 1:150   | 0.67%  |
| DESIRABLE 1:200 | 0.50%  |
| MAXIMUM 1:300   | 0.33%  |

\*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 S.E. 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).



**CLASS "B" CONCRETE BASE OR WIDENING DETAIL**

**GEORGIA**  
DEPARTMENT  
OF  
TRANSPORTATION

NOT TO SCALE

| REVISION DATES |
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STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION  
OFFICE: DISTRICT 2 - TENNILLE  
**TYPICAL SECTIONS**

CSSTP-0006-00(944)  
GREENE COUNTY

DRAWING No.  
**05-002**