

NOTE: FOR THIS PROJECT, CROSS SLPES 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
SE RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD WHICH EVER IS GREATER.

C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLATE POINT TO FULL CORRESPONDING DIFFERNECE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT)

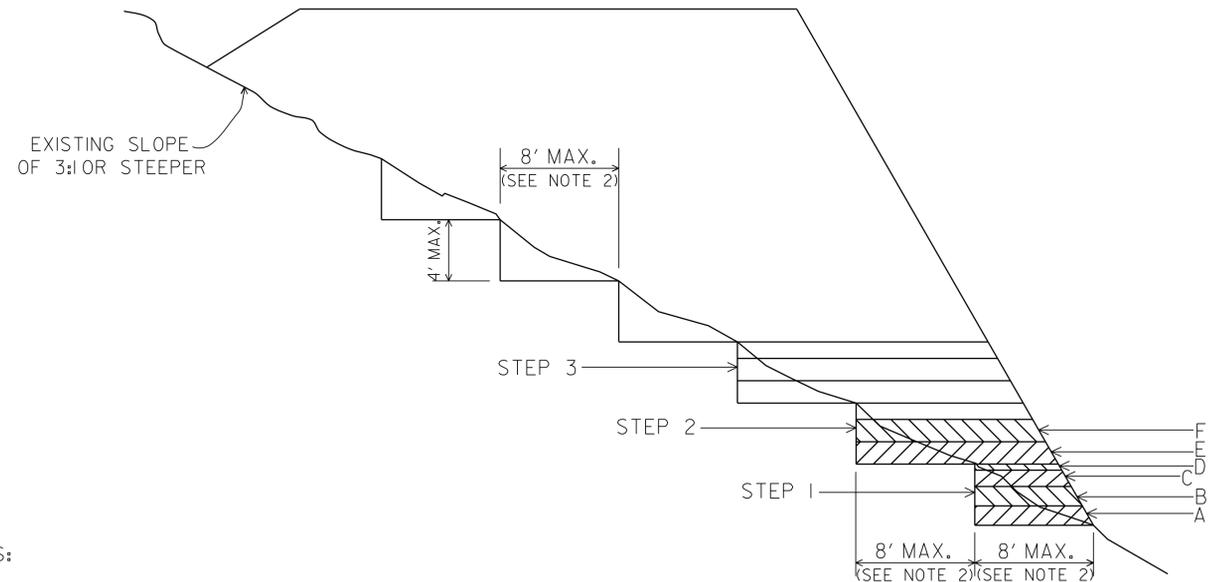
RATE OF CHANGE	
MINIMUM	1:150 0.67%
DESIRABLE	1:200 0.50%
MAXIMUM	1:300 0.33%

*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. POSITION 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

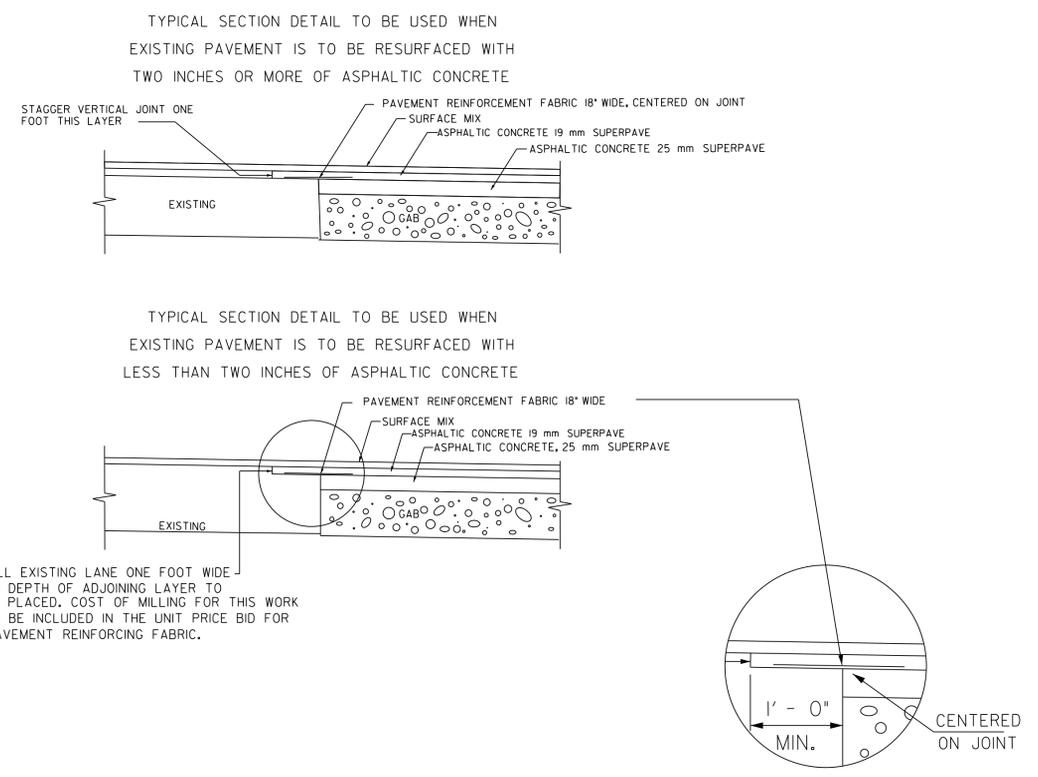
E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FT.) EQUAL TO THE SPEED DESIGN (IN M. P. H.)

BENCHING DETAIL



- NOTES:**
- WHERE THE EMBANKMENT IS TO BE PLACED ON A HILLSIDE OR ANOTHER EXISTING EMBANKMENT HAVING A SLOPE OF 3 TO 1 OR STEEPER, THE FOUNDATION MUST BE BENCHING WHILE THE EMBANKMENT IS BEING MADE. (SEE DIAGRAM ABOVE)
 - THE DIAGRAM SHOWS THAT BEFORE LAYER "A" IS PLACED THE FIRST STEP (1) IS CUT INTO THE SLOPE A MAXIMUM DISTANCE OF ABOUT 8 FEET (ABOUT 3/4 THE WIDTH OF THE TYPICAL D-8 BULLDOZER BLADE). SUCCESSIVE LAYERS "B", "C", AND "D" ARE THEN PLACED BEFORE LAYER "E" IS PLACED. THE SECOND STEP IS CUT 8 FEET INTO THE SLOPE AND SUCCESSIVE LAYERS ARE AGAIN PLACED. IF IT IS ANTICIPATED THAT THE VERTICAL PART OF THE STEP WILL EXCEED 4 FEET IF AN 8 FOOT HORIZONTAL CUT IS MADE, THEN THE ACTUAL CUT STOPS, WHEN THE VERTICAL PART REACHES A MAXIMUM OF 4 FEET ALLOWING THE HORIZONTAL DISTANCE TO VARY.
 - THE PROCESS OF BENCHING IS CONSIDERED INCIDENTAL TO THE ITEM OF UNCLASSIFIED EXCAVATION AND BORROW IN THE CONSTRUCTION OF THE EMBANKMENT AND NO ADDITIONAL MEASUREMENT OF QUANTITY OR PAYMENT WILL BE MADE FOR BENCHING.

PAVEMENT REINFORCEMENT FABRIC DETAIL



SIDEWALK DETAIL (SOUTH SIDE OF OLD ALABAMA ROAD)

