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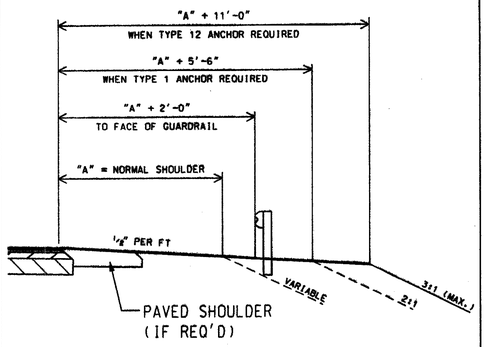
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	STP-187-1(26)	005	195

REV. 05-03-06

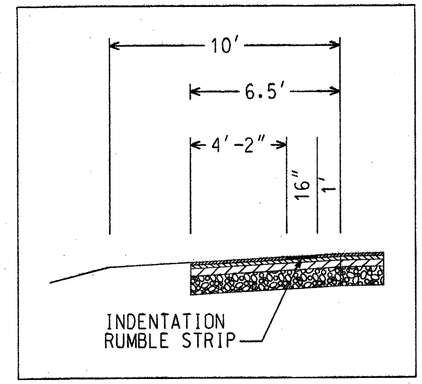
TYPICAL SECTIONS
SR 140

EXISTING SHOULDERS TO BE REMOVED, SAW CUT EXISTING PAVEMENT. COST TO BE INCLUDED IN GRADING COMPLETE.

GUARDRAIL REQUIRED WITH SHOULDER



DETAIL "B"

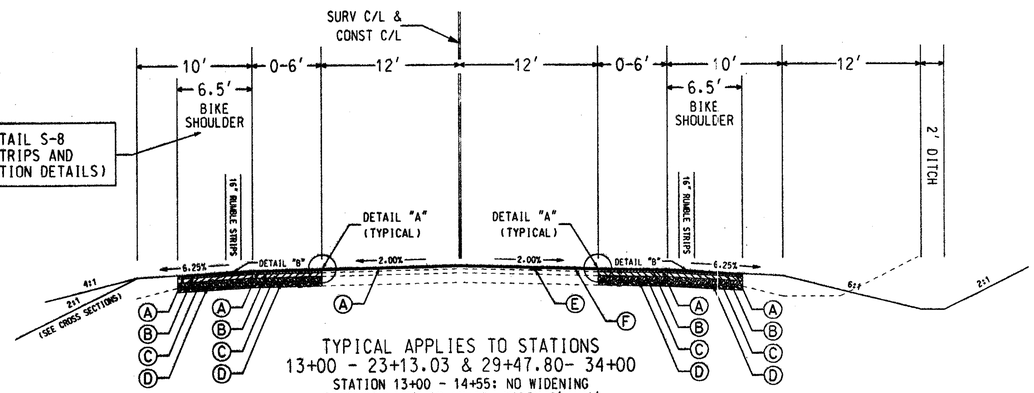


SLOPE CONTROLS	
SLOPE	FILL
4:1 OR FLATTER	0' - 10'
2:1	OVER 10'

SLOPES MAY BE ADJUSTED BY THE ENGINEER TO STAY WITHIN THE REQUIRED RIGHT-OF-WAY OR EASEMENTS

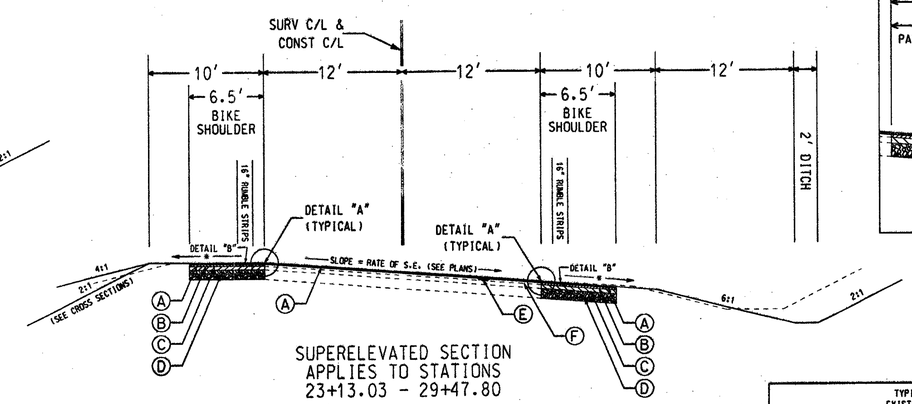
GUARDRAIL SHALL BE REQUIRED ON FILL SLOPES STEEPER THAN 3:1

1



TYPICAL APPLIES TO STATIONS
13+00 - 23+13.03 & 29+47.80- 34+00
STATION 13+00 - 14+55: NO WIDENING
STATION 14+55 TO 17+25: WIDEN 0' - 6'
STATION 17+25 TO 20+05: WIDEN 6'
STATION 20+05 TO 22+75: WIDEN 6' - 0'
STATION 22+75 TO 23+13.03 & 29+47.80 TO 30+85: NO WIDENING
STATION 30+85 TO 34+00: WIDEN 0' - 4.70'

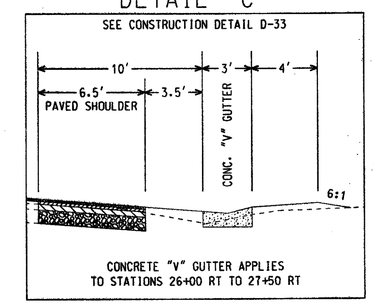
2



SUPERELEVATED SECTION
APPLIES TO STATIONS
23+13.03 - 29+47.80

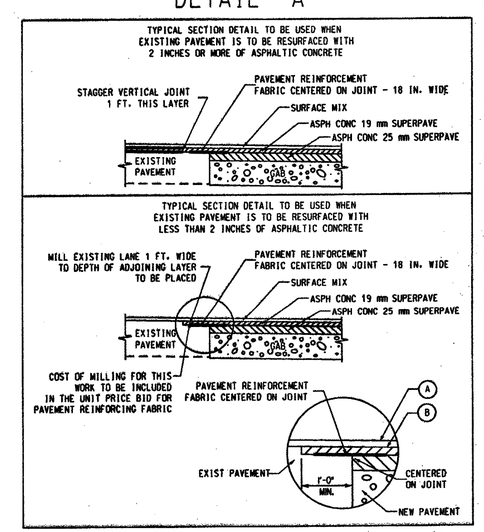
✳ = S.E. RATES AND RUNOFF LENGTHS DETERMINED USING AASHTO "GREEN BOOK" TABLES. FOR SHOULDER SLOPE RATES AND BREAKOVER INFORMATION SEE GA STD 9028-C.

DETAIL "C"



CONCRETE "V" GUTTER APPLIES
TO STATIONS 26+00 RT TO 27+50 RT

DETAIL "A"



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 0.0208 FT/FT - DESIRABLE 0.0250 FT/FT - MAXIMUM	0.0150 FT/FT - MINIMUM 0.0208 FT/FT - DESIRABLE 0.0250 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 M.P.H.).

NO SCALE

(A) RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME (165 LB/SY)
(B) RECYCLED ASPH CONC 19 mm, SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H-LIME (220 LB/SY)
(C) RECYCLED ASPH CONC 25 mm, SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H-LIME (550 LB/SY)
(D) GR AGGR BASE CRS, 12 INCH, INCL MATL
(E) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H-LIME (AS DIRECTED BY THE ENGINEER)
(F) MILL ASPH CONC PVMT, VARIABLE DEPTH

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