

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	STP00-1267-00(008)	8	969

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%
1.50% - MINIMUM	1.56% - MINIMUM
2.00% - DESIRABLE	2.00% - DESIRABLE
2.50% - MAXIMUM	3.00% - 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%

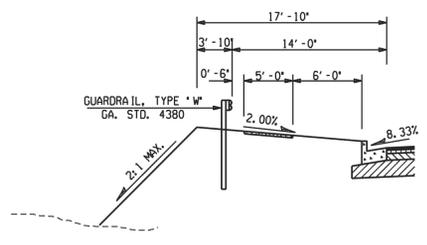
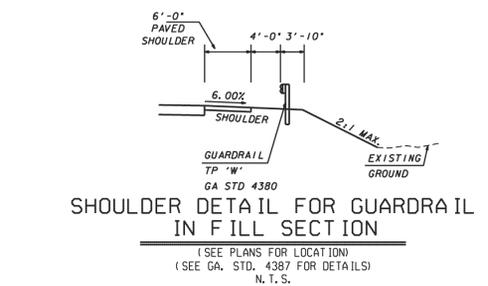
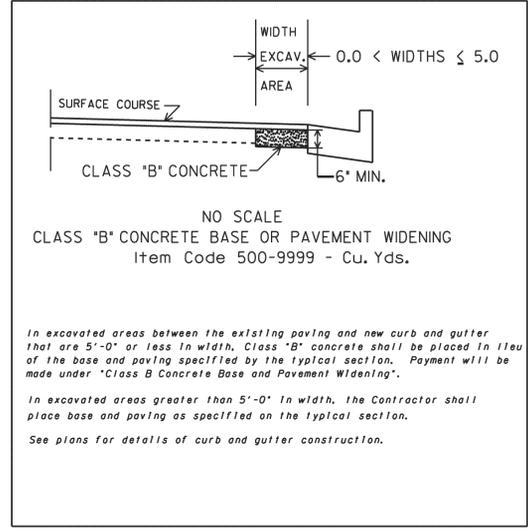
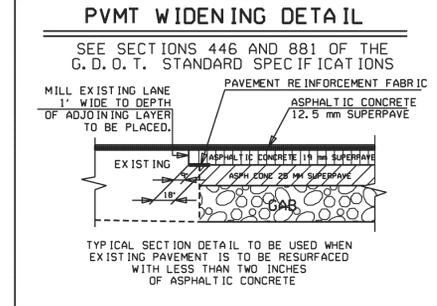
LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.

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).

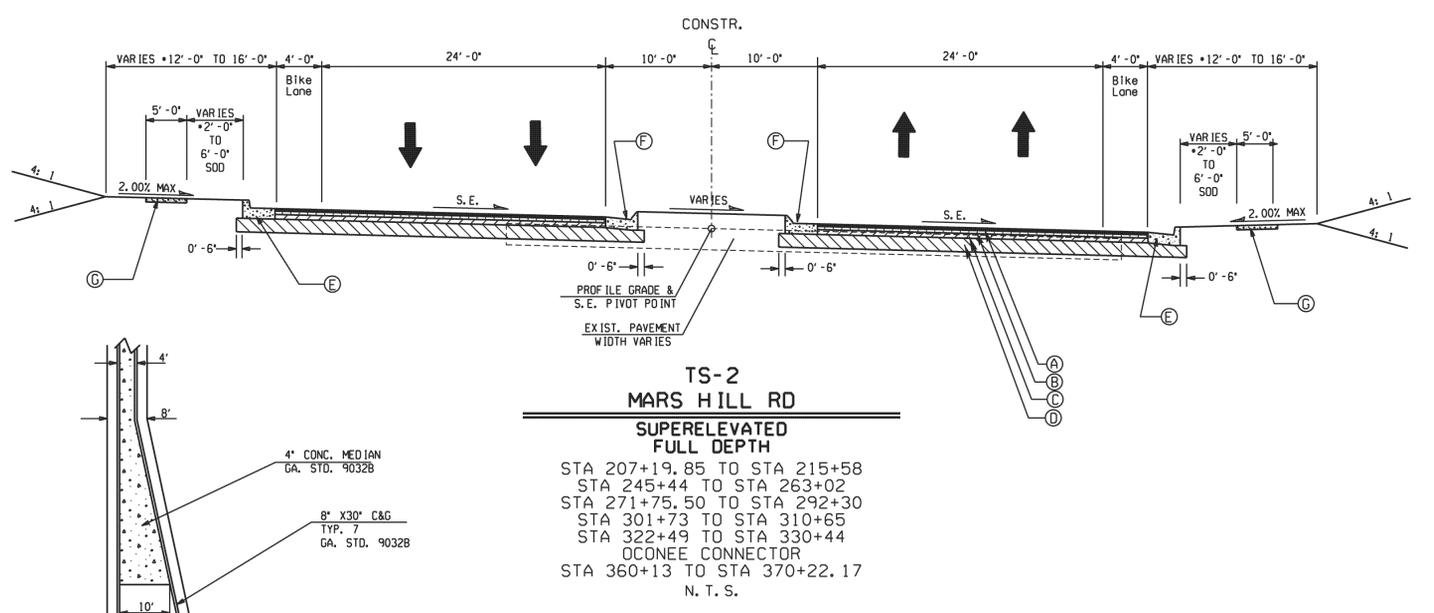
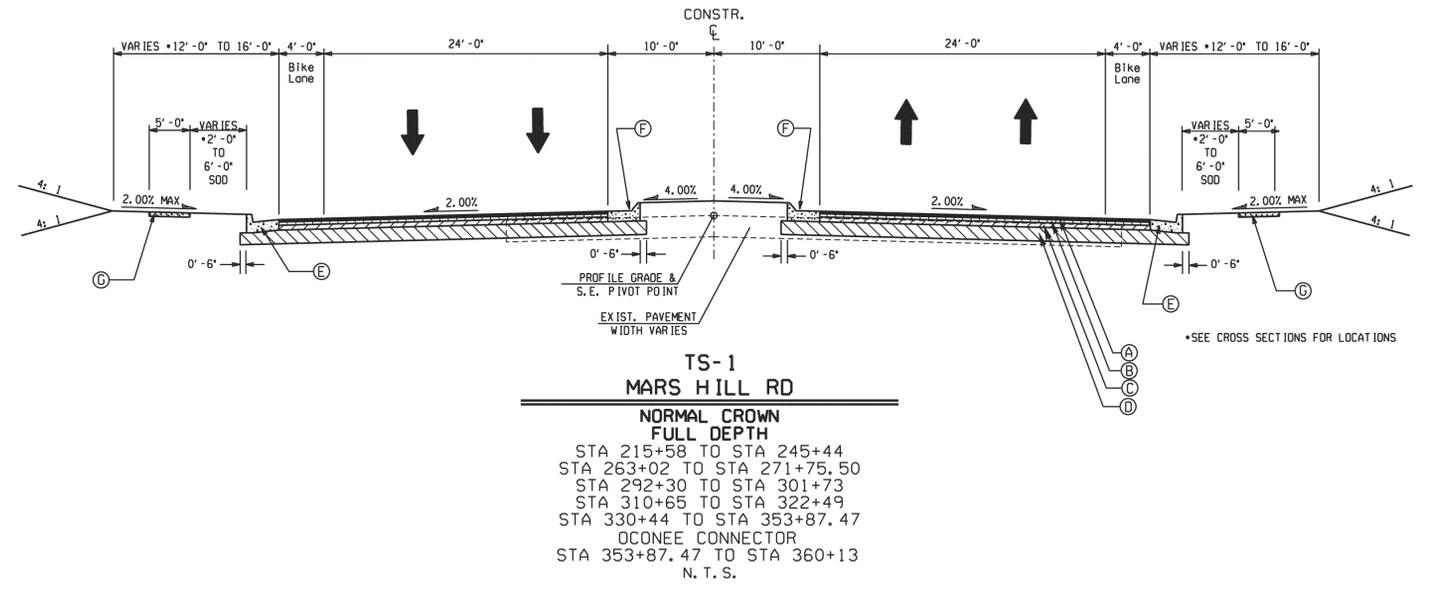
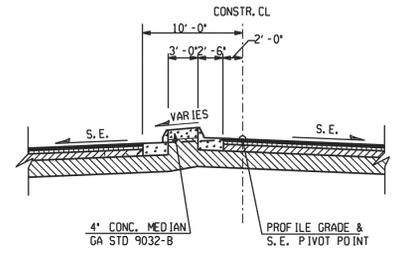


SLOPE CONTROLS

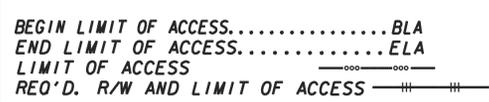
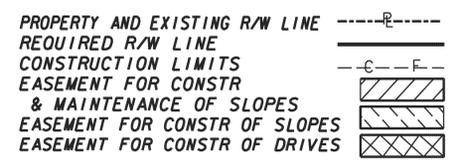
SLOPE	CUT	FILL
4:1	0'-6"	0'-10"
3:1	6'-10"	
2:1*	OVER 10'	OVER 10'

NOTE: GA STD 4380 GUARDRAIL HAS BEEN DESIGNATED FOR USE IN ALL AREAS WHERE THE HEIGHT OF FILL IS GREATER THAN 6' ALONG MAIN LINE.

*NOTE: GUARDRAIL TO BE INSTALLED ADJACENT TO FILL SLOPES GREATER THAN 3:1. SEE PLANS FOR LOCATIONS



- (A) - RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H-LIME (165 LBS/SY)
- (B) - RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H-LIME (220 LBS/SY)
- (C) - RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H-LIME (440 LBS/SY)
- (D) - GRADED AGGREGATE BASE COURSE 12", INCL MATL
- (E) - 8' X 30" CONC CURB & GUTTER, TYPE 2, GA. STD. 9032B
- (F) - 8' X 30" CONC CURB & GUTTER, TYPE 7, GA. STD. 9032B
- (G) - 4' CONC. SIDEWALK, GA CONSTRUCTION DETAILS A1 & A4
- (H) - RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H-LIME, DEPTH VARIES



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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:
TYPICAL SECTIONS
S. R. 53/MARS HILL RD/
OCONEE CONNECTOR

DRAWING No.
5-01