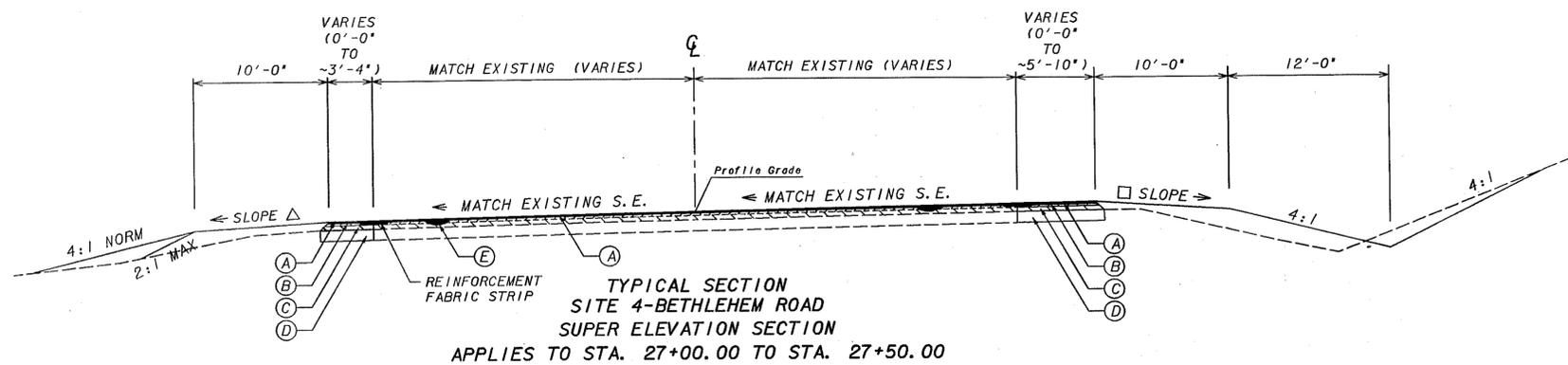
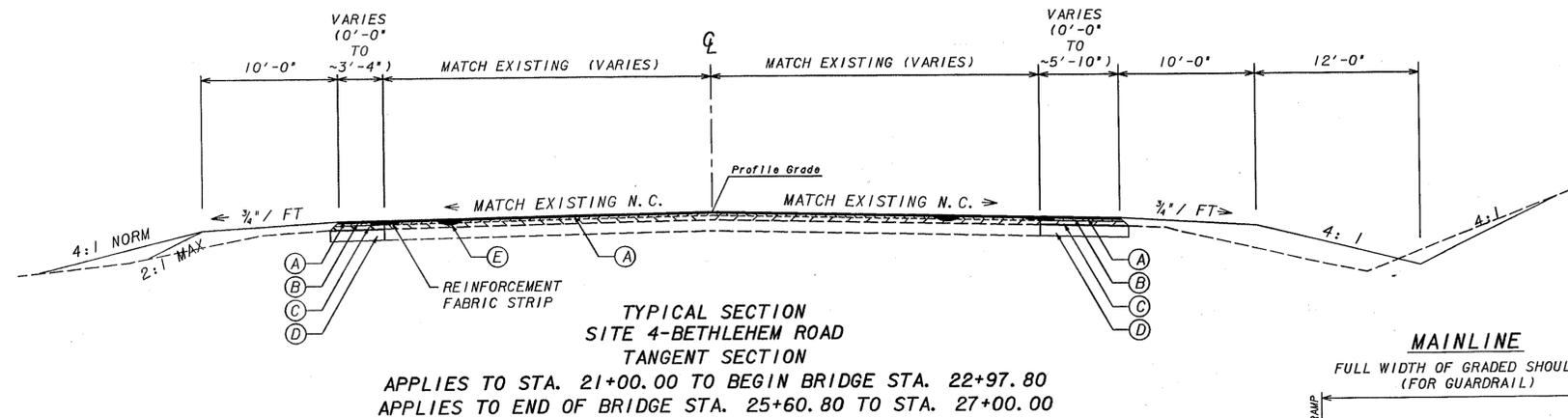


STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M001-00(994)	7	55



**REQUIRED PAVEMENT**

- (A) RECYCLED ASPHALTIC CONCRETE 12.5 mm, SUPERPAVE, GP 1 OR 2, INCL. BITUM MAT'L & H. LIME (165 LB/SQ. YD.) MIX DESIGN LEVEL A
- (B) RECYCLED ASPHALTIC CONCRETE 19 mm, SUPERPAVE, GP 1 OR 2, INCL. BITUM MAT'L & H. LIME (220 LB/SQ. YD.) MIX DESIGN LEVEL A
- (C) RECYCLED ASPHALTIC CONCRETE 25 mm, SUPERPAVE, GP 1 OR 2, INCL. BITUM MAT'L & H. LIME (440 LB/SQ. YD.) MIX DESIGN LEVEL A
- (D) GRADED AGGREGATE BASE, 10 INCH
- (E) RECYCLED ASPHALTIC CONCRETE LEVELING, INCL. BITUM MAT'L & H LIME



**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).**

**SLOPE SELECTION**

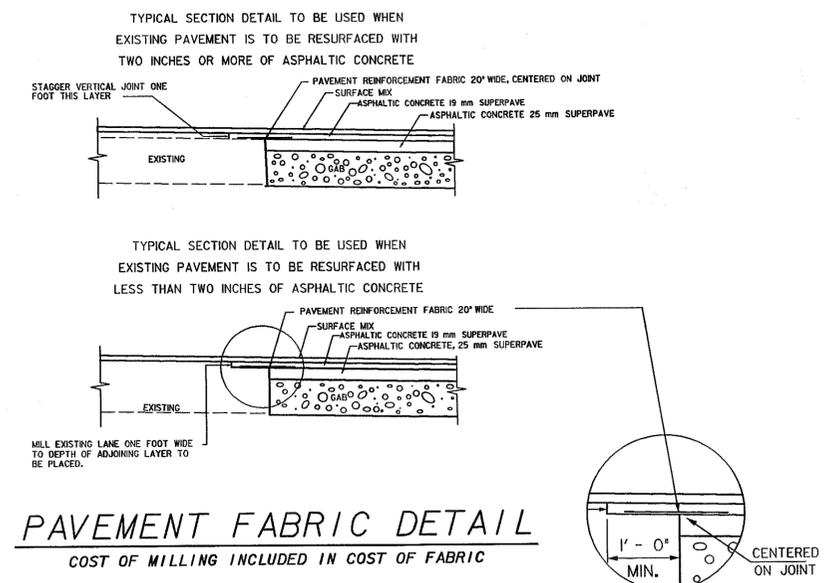
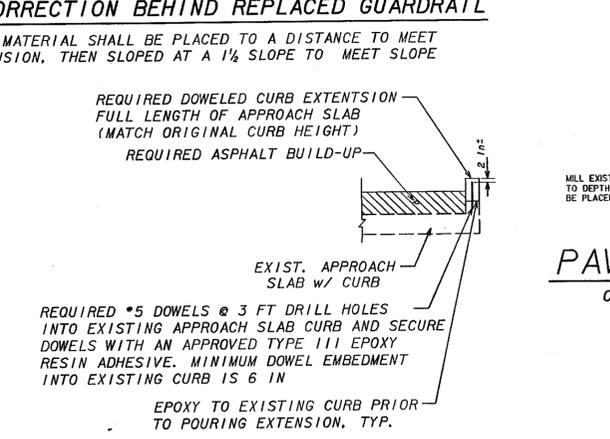
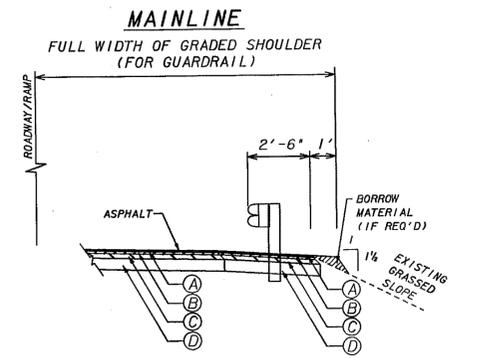
SLOPE	CUT	FILL
6:1	0'-2'	0'-2'
4:1	2'-6'	2'-6'
2:1	6+*	6+*

\*REQUIRES GUARDRAIL

**SLOPE SELECTION DETAIL**

- △ SLOPE 3/4" / 1'-0" OR RATE OF S.E. WHICHEVER IS GREATER
- SLOPE AS FOLLOWS:  
 S.E. RATE OF 0.03' / FT OR LESS USE 1/2" IN 1'-0"  
 S.E. RATE OF 0.04' / FT, USE 3/8" IN 1'-0"  
 S.E. RATE OF 0.05' / FT, USE 1/4" IN 1'-0"  
 S.E. RATE OF 0.06' / FT, USE 1/8" IN 1'-0"  
 S.E. RATE OF 0.08' / FT, USE +0.01' / FT

ALGEBRAIC DIFFERENCE IN PAVING AND SHOULDER SLOPES NOT TO EXCEED 0.07' / FT



GRESHAM  
SMITH AND  
PARTNERS



DATE	REVISIONS	DATE	REVISIONS
11-23-04	CHANGED 12.5m SUPERPAVE AND 19 mm SUPERPAVE FROM LEVEL B TO LEVEL A		

GEORGIA  
DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTIONS**  
PROJECT - NHS-M001-00(994)  
COUNTY - HENRY  
DATE SHEET 5-04