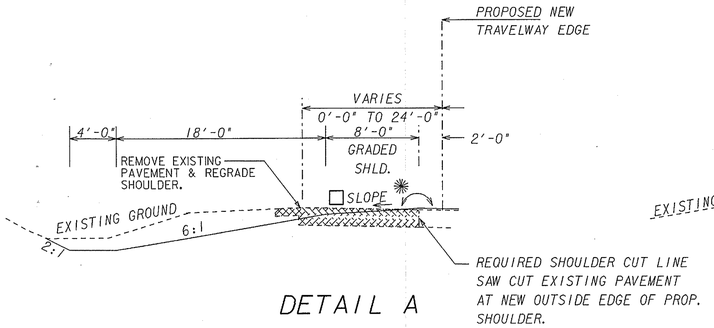
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BRN-023-2(7)	6	299

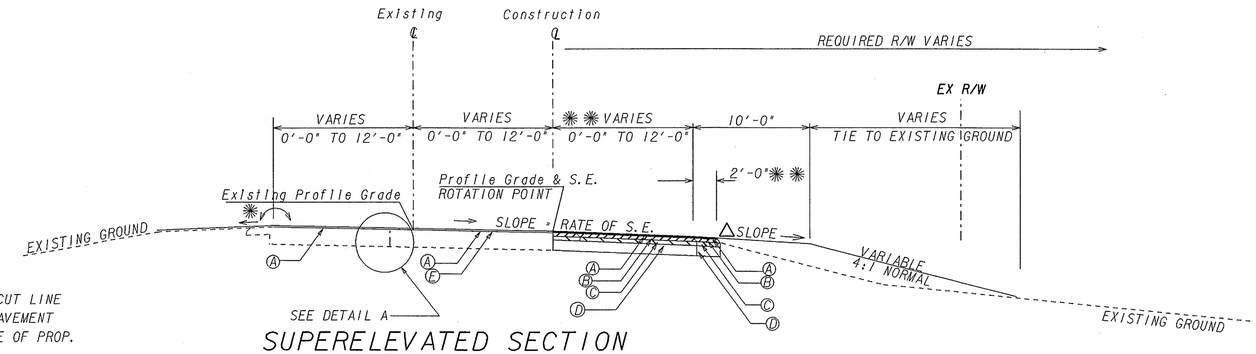
NOTE: GRANULAR EMBANKMENT REQUIRED FOR THE FOLLOWING STATION RANGES 229+00± TO 244+00±, 268+00± TO 271+00±, 290+00± TO 304+00±, SEE SPECIAL PROVISION 208 PAYMENT TO BE INCLUDED UNDER BORROW EXCAVATION.

TYPICAL SECTION 2



DETAIL A

SR 31 / US 441
APPLIES TO
STA 208+00.00 TO 215+46.11 ALLIGATOR CREEK
STA 247+33.30 TO 252+00.00 ALLIGATOR CREEK
STA 237+25.00 TO 244+64.75 BIG HORSE CREEK
STA 320+80.62 TO 323+80.00 BIG HORSE CREEK



SUPERELEVATED SECTION

SR 31 / US 441
APPLIES TO
STA 208+00.000 TO 215+46.11 ALLIGATOR CREEK
STA 247+00 TO 251+30.84 ALLIGATOR CREEK
STA 237+25.00 TO 244+64.75 BIG HORSE CREEK
STA 320+80.62 TO 323+22.26 BIG HORSE CREEK

✱✱ DENOTES PAY LIMITS FOR G. A. B.

ALLOWABLE RANGES TABLE

IN THIS PROJECT, PROPOSED 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.

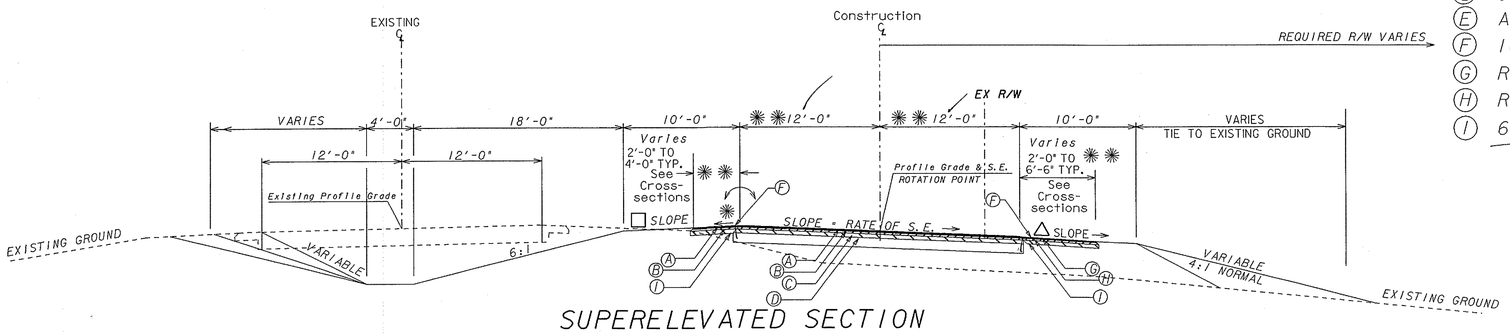
D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

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).

TYPICAL SECTION 3



SUPERELEVATED SECTION

SR 31 / US 441
APPLIES TO
STA 215+50.00 TO 230+49.88 ALLIGATOR CREEK
STA 232+89.88 TO 235+10.00 ALLIGATOR CREEK
STA 237+85.68 TO 247+00.00 ALLIGATOR CREEK
STA 245+00.00 TO 274+70.24 BIG HORSE CREEK
STA 284+99.20 TO 291+80.82 BIG HORSE CREEK
STA 293+00.82 TO 295+00.00 BIG HORSE CREEK
STA 298+99.20 TO 300+60.82 BIG HORSE CREEK
STA 302+80.82 TO 320+50.00 BIG HORSE CREEK

REQUIRED PAVEMENT

- (A) RECYCLED ASPHALTIC CONCRETE 12.5 mm SUPERPAVE, 165lb/sq yd, LEVEL 'B'
- (B) RECYCLED ASPHALTIC CONCRETE 19.0 mm SUPERPAVE, 220 lb/sq yd, LEVEL 'B'
- (C) RECYCLED ASPHALTIC CONCRETE 25 mm SUPERPAVE, 330 lb/sq yd, LEVEL 'A'
- (D) GRADED AGGREGATE BASE, 8 inch
- (E) ASPHALTIC CONCRETE LEVELING, AS REQ'D
- (F) 16" INDENTATION RUMBLE STRIPS-GROUND-IN-PLACE (SKIP)
- (G) RECYCLED ASPHALTIC CONCRETE 12.5 mm SUPERPAVE, 165lb/sq yd, LEVEL 'A'
- (H) RECYCLED ASPHALTIC CONCRETE 19.0 mm SUPERPAVE, 220lb/sq yd, LEVEL 'A'
- (I) 6" G. A. B.

△ RATE OF S.E. OR NORMAL SHOULDER SLOPE WHICHEVER IS GREATER (BUT NOT LESS THAN 6% FOR UNPAVED SHOULDERS)

☐ SLOPE AS FOLLOWS:
S.E. RATE OF 3% OR LESS USE 4%
S.E. RATE OF 4% OR 5% USE 2%
S.E. RATE OF 6% OR 7% USE 1%

✱ ALGEBRAIC DIFFERENCE IN PAVING AND SHOULDER

BRIDGE SECTION

SR 31 / US 441
STA 230+49.88 TO 232+89.88 ALLIGATOR CREEK
STA 291+80.82 TO 293+00.82 BIG HORSE CREEK
STA 300+60.82 TO 302+80.82 BIG HORSE CREEK

SLOPE CONTROLS		
SLOPE	CUT	FILL
4:1	0-6'	0-10'
3:1	6'-10'	--
✱ 2:1	OVER 10'	OVER 10'

✱ 2:1 REQUIRES GUARDRAIL

NOT TO SCALE

PB 100 YEARS
3340 PEACHTREE RD. NE
SUITE 2400, TOWER PLACE 100
ATLANTA, GA 30326-1001

DATE	REVISIONS	DATE	REVISIONS

GEORGIA
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTION
PROJECT BRN-023-2(7)
COUNTY TELFAIR
DATE SH 5-02

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