

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE P.I. 0006862 & 731865 **OFFICE** Design Policy & Support
CSSTP-0006-00(862) & BRSTO-0213-01(005)
Cobb County/GDOT District 7 – Metro Atlanta **DATE** March 19, 2015
Widening & Reconstruction of SR92/Lake Acworth Dr.

FROM Albert V. Shelby, III, Office of Program Delivery *Albert Shelby*

TO Brent Story, State Design Policy Engineer
Attn: Dave Peters, State Conceptual Design Group Manager

SUBJECT Request for Location and Design Approval

Description and Project Proposal: The proposed project will widen and reconstruct SR92/Lake Acworth Drive from SR3/US41/Cobb Parkway to Cherokee Street (A.K.A Bartow Road, Glade Road) from a two-lane to a four-lane divided roadway with a variable 8-foot to 20-foot raised concrete median. One side of SR92/Lake Acworth Drive will have a 12-foot shoulder with curb and gutter and a sidewalk, while the other side will have a 20-foot shoulder with curb and gutter and a multi-use path. The existing signal at SR92/Lake Acworth Drive and SR3/US41/Cobb Parkway will need to be modified and accommodate the proposed widening of SR92/Lake Acworth Drive. This project also proposes to replace the SR92 bridges over Lake Acworth, Tanyard Creek and the CSX Railroad.

Concept Approval Date: May 4, 2009

Concept Update: None

Environmental Document: EA/FONSI ~~anticipated of approval by May 2015~~ *APPROVED JUNE 12, 2015*

Temporary State Route Needed: No Yes Undetermined

Public Involvement:

A PIOH was held on July 8, 2008 and a total of 123 people attended. Of the comments we received, 15 were in support, 5 were opposed, 7 were uncommitted, and 6 expressed conditional support for the project. No significant changes were made as a result of the comments received at the public hearing (see attached approved synopsis).

A PHOH was held on June 25, 2013 and a total of 99 people attended. Of the comments we received, 17 were in support, 2 were opposed, 0 were uncommitted, and 6 expressed conditional support for the project. No significant changes were made as a result of the comments received at the public hearing (see attached approved synopsis).

Consistency with Approved Planning:

The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

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Concept Update: None

Environmental Document: EA/FONSI - anticipated of approval by May 2015

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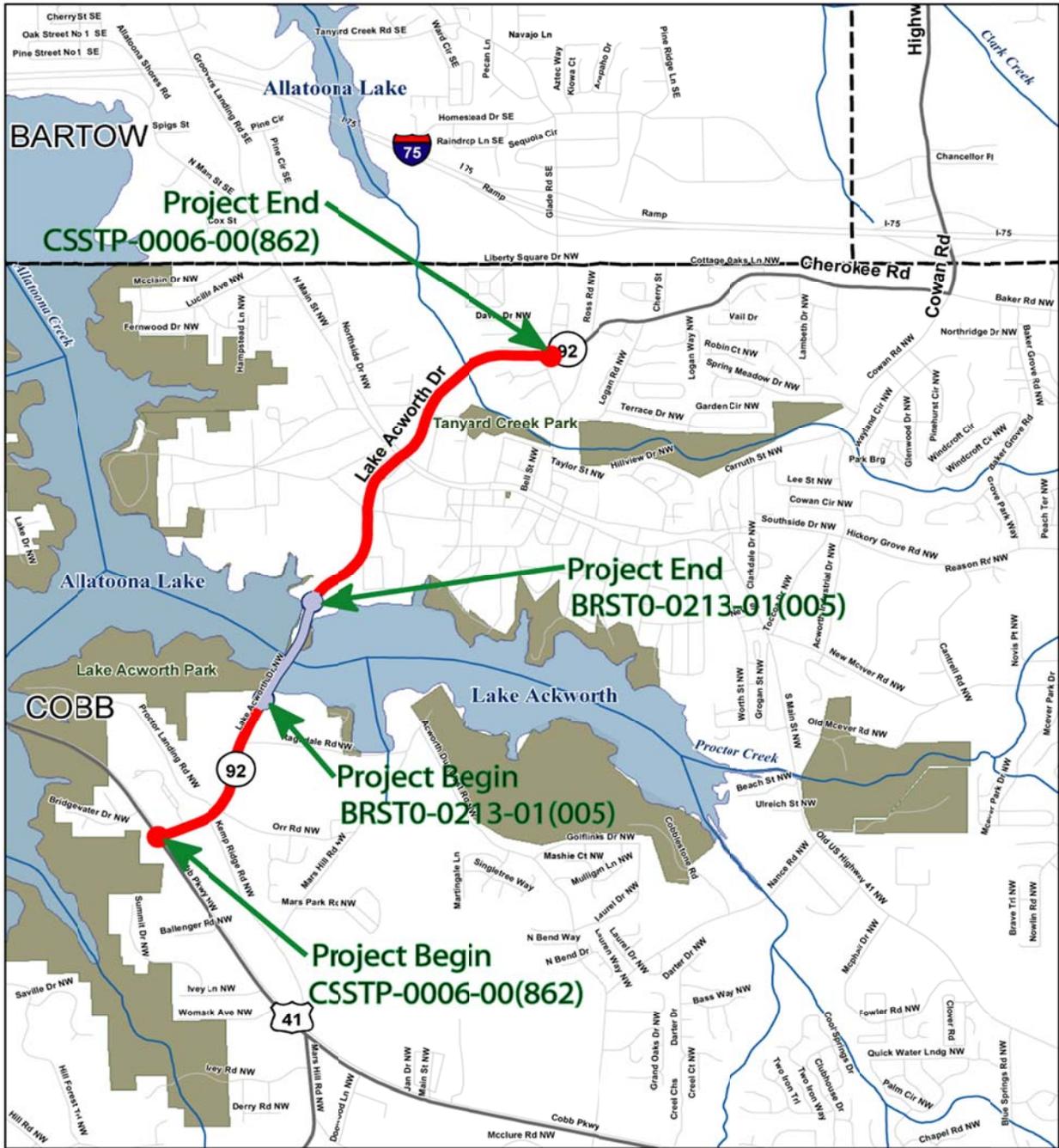
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PROJECT LOCATION MAP

Project: CSSTP-0006-00(862) & BRST0-0213-01(005)

Cobb County

PI 0006862 & PI 731865

DETAILED COST ESTIMATE



Job: 0006862

JOB NUMBER 0006862

FED/STATE PROJECT NUMBER CSSTP-0006-00(862)

SPEC YEAR: 01

DESCRIPTION: SR 92/LAKE ACWORTH DRIVE
SR 92 NORTH

ITEMS FOR JOB 0006862

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$450,000.00000	TRAFFIC CONTROL - LUMPSUM ITEM	\$450,000.00
0018	153-1300	1.000	EA	\$81,160.51846	FIELD ENGINEERS OFFICE TP 3	\$81,160.52
0019	210-0100	1.000	LS	\$500,000.00000	GRADING COMPLETE - LUMPSUM ITEM	\$500,000.00
0020	310-1101	45632.000	TN	\$16.60386	GR AGGR BASE CRS, INCL MATL	\$757,667.34
0030	318-3000	3568.000	TN	\$16.38152	AGGR SURF CRS	\$58,449.26
0035	402-1802	11295.000	TN	\$71.02373	RECYL AC PATCHING, INCL BM&HL	\$802,213.03
0040	402-1812	10678.000	TN	\$61.63488	RECYL AC LEVELING, INC BM&HL	\$658,137.25
0045	402-3121	27388.000	TN	\$59.34441	RECYL AC 25MM SP, GP1/2, BM&HL	\$1,625,324.70
0050	402-3130	7753.000	TN	\$70.54514	RECYL AC 12.5MM SP, GP2, BM&HL	\$546,936.47
0055	402-3190	9847.000	TN	\$66.19225	RECYL AC 19 MM SP, GP 1 OR 2 ,INC BM&HL	\$651,795.09
0060	413-1000	12592.000	GL	\$2.34343	BITUM TACK COAT	\$29,508.47
0065	432-5010	2731.000	SY	\$3.41630	MILL ASPH CONC PVMT, VARB DEPTH	\$9,329.92
0070	441-0104	15038.000	SY	\$20.84861	CONC SIDEWALK, 4 IN	\$313,521.40
0075	441-0756	6088.000	SY	\$80.32000	CONC MEDIAN, 8 IN	\$488,988.16
0080	441-4030	3206.000	SY	\$43.88033	CONC VALLEY GUTTER, 8 IN	\$140,680.34
0085	441-6222	31510.000	LF	\$7.59109	CONC CURB & GUTTER/ 8"X30"TP2	\$239,195.25
0090	446-1100	2692.000	LF	\$4.51321	PVMT REF FAB STRIPS, TP2, 18 INCH WIDTH	\$12,149.56
0100	500-3200	223.000	CY	\$305.51618	CL B CONC	\$68,130.11
0110	500-9999	223.000	CY	\$140.33688	CL B CONC, BASE OR PVMT WIDEN	\$31,295.12
0125	550-1180	12632.000	LF	\$32.32134	STM DR PIPE 18", H 1-10	\$408,283.17
0130	550-1240	2376.000	LF	\$40.29424	STM DR PIPE 24", H 1-10	\$95,739.11
0135	550-1300	3182.000	LF	\$43.49936	STM DR PIPE 30", H 1-10	\$138,414.96
0140	550-1420	290.000	LF	\$90.10593	STM DR PIPE 42", H 1-10	\$26,130.72
0145	550-2180	244.000	LF	\$31.29004	SIDE DR PIPE 18", H 1-10	\$7,634.77
0150	550-3518	22.000	EA	\$602.92918	SAFETY END SECTION 18", STD, 6:1	\$13,264.44
0155	550-3524	4.000	EA	\$835.61698	SAFETY END SECTION 24", STD, 6:1	\$3,342.47
0160	550-3618	18.000	EA	\$504.17659	SAFETY END SECTION 18", SD, 6:1	\$9,075.18
0165	550-3642	2.000	EA	\$680.44300	SAFETY END SECTION 42", SD, 6:1	\$1,360.89
0170	611-4001	2.000	EA	\$1,172.57016	RECONSTR MINOR DRAINAGE STR	\$2,345.14
0180	634-1200	101.000	EA	\$102.95948	RIGHT OF WAY MARKERS	\$10,398.91
0364	641-1100	100.000	LF	\$55.78710	GUARDRAIL, TP T	\$5,578.71
0365	641-1200	3500.000	LF	\$16.85472	GUARDRAIL, TP W	\$58,991.52
0369	641-5001	10.000	EA	\$812.62704	GUARDRAIL ANCHORAGE, TP 1	\$8,126.27
0370	641-5006	1.000	EA	\$739.44090	GUARDRAIL ANCHORAGE, TP 6	\$739.44
0375	641-5012	7.000	EA	\$1,922.61148	GUARDRAIL ANCHORAGE, TP 12	\$13,458.28
0185	668-1100	105.000	EA	\$2,240.02936	CATCH BASIN, GP 1	\$235,203.08
0190	668-1110	210.000	LF	\$179.32536	CATCH BASIN, GP 1, ADDL DEPTH	\$37,658.33
0195	668-1200	10.000	EA	\$2,672.71913	CATCH BASIN, GP 2	\$26,727.19
0200	668-2100	77.000	EA	\$1,770.38501	DROP INLET, GP 1	\$136,319.65
0205	668-2110	58.000	LF	\$156.69068	DROP INLET, GP 1, ADDL DEPTH	\$9,088.06
0210	668-4300	9.000	EA	\$1,690.16123	STORM SEW MANHOLE, TP 1	\$15,211.45
SUBTOTAL FOR ROADWAY:						\$8,727,573.73

DETAILED COST ESTIMATE



Job: 0006862

0020 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0215	653-0110	4.000	EA	\$68.52619	THERM PVMT MARK, ARROW, TP 1	\$274.10
0220	653-0120	17.000	EA	\$81.06229	THERM PVMT MARK, ARROW, TP 2	\$1,378.06
0225	653-0130	3.000	EA	\$105.48469	THERM PVMT MARK, ARROW, TP 3	\$316.45
0230	653-1501	33619.000	LF	\$0.37996	THERMO SOLID TRAF ST 5 IN, WHI	\$12,773.88
0235	653-1502	342.000	LF	\$0.94987	THERMO SOLID TRAF ST, 5 IN YEL	\$324.86
0240	653-1704	300.000	LF	\$4.79676	THERM SOLID TRAF STRIPE,24",WH	\$1,439.03
0245	653-1804	2521.000	LF	\$2.02699	THERM SOLID TRAF STRIPE, 8",WH	\$5,110.04
0250	653-3501	13066.000	GLF	\$0.64516	THERMO SKIP TRAF ST, 5 IN, WHI	\$8,429.66
0255	653-6004	1969.000	SY	\$3.23992	THERM TRAF STRIPING, WHITE	\$6,379.40
0260	654-1001	141.000	EA	\$3.43683	RAISED PVMT MARKERS TP 1	\$484.59
0265	654-1003	1347.000	EA	\$3.36274	RAISED PVMT MARKERS TP 3	\$4,529.61
0270	657-1054	8560.000	LF	\$2.16128	PRF PL SD PVMT MKG,5",WH,TP PB	\$18,500.56
0275	657-3054	4280.000	GLF	\$2.47227	PRF PL SK PVMT MKG,5",WH,TP PB	\$10,581.32
SUBTOTAL FOR SIGNING AND MARKING:						\$70,521.56

0030 - EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0280	163-0232	20.000	AC	\$52.19045	TEMPORARY GRASSING	\$1,043.81
0285	163-0240	542.000	TN	\$162.48112	MULCH	\$88,064.77
0290	163-0300	4.000	EA	\$1,365.29639	CONSTRUCTION EXIT	\$5,461.19
0295	163-0503	20.000	EA	\$314.96611	CONSTR AND REMOVE SILT CONTROL GATE,TP 3	\$6,299.32
0300	163-0550	89.000	EA	\$118.59558	CONS & REM INLET SEDIMENT TRAP	\$10,555.01
0305	165-0030	4310.000	LF	\$0.59716	MAINT OF TEMP SILT FENCE, TP C	\$2,573.76
0310	165-0087	10.000	EA	\$59.54712	MAINT OF SILT CONTROL GATE, TP 3	\$595.47
0315	165-0101	4.000	EA	\$497.76171	MAINT OF CONST EXIT	\$1,991.05
0320	165-0105	45.000	EA	\$22.81346	MAINT OF INLET SEDIMENT TRAP	\$1,026.61
0325	171-0030	8619.000	LF	\$2.06946	TEMPORARY SILT FENCE, TYPE C	\$17,836.68
0330	700-6910	39.000	AC	\$449.91881	PERMANENT GRASSING	\$17,546.83
0335	700-7000	118.000	TN	\$60.56602	AGRICULTURAL LIME	\$7,146.79
0340	700-7010	115.000	GL	\$22.55000	LIQUID LIME	\$2,593.25
0345	700-8000	35.000	TN	\$413.93642	FERTILIZER MIXED GRADE	\$14,487.77
0350	700-8100	2083.000	LB	\$1.48069	FERTILIZER NITROGEN CONTENT	\$3,084.28
SUBTOTAL FOR EROSION CONTROL:						\$180,306.59

0040 - TRAFFIC SIGNAL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0355	632-0003	2.000	EA	\$6,483.80104	CHANGEABLE MESS SIGN,PORT,TP 3	\$12,967.60
0360	639-3004	4.000	EA	\$11,490.20025	STEEL STRAIN POLE, TP IV	\$45,960.80
0380	647-1000	1.000	LS	\$125,000.00000	TRAF SIGNAL INSTALLATION NO - LUMP SUM ITEM	\$125,000.00
0385	647-2150	4.000	EA	\$2,050.00000	PULL BOX, PB-5	\$8,200.00
0390	682-6233	250.000	LF	\$2.79000	CONDUIT, NONMETL, TP 3, 2 IN	\$697.50
0395	938-1100	2.000	EA	\$3,510.00000	INT VIDEO DET SYS ASMBLY, TP A	\$7,020.00
SUBTOTAL FOR TRAFFIC SIGNAL:						\$199,845.90

COST GROUP FOR JOB 0006862

LINE NUMBER	UNIT	CALCULATION RULE	QUANTITY	PRICE	COST GROUP ID	DESCRIPTION	AMOUNT
00000001	LS	NORM	1.000	\$3,500,000.00	MISC	WALL	\$3,500,000.00
00000002	LS	NORM	1.000	\$14,600,000.00	MISC	BRIDGE OVER LAKE ACWORTH	\$14,600,000.00
00000003	LS	NORM	1.000	\$2,300,000.00	MISC	BRIDGE OVER CSX RR	\$2,300,000.00
00000004	LS	NORM	1.000	\$1,900,000.00	MISC	BRIDGE OVER TANYARD CREEK	\$1,900,000.00
SUBTOTAL:							\$22,300,000.00

DETAILED COST ESTIMATE



Job: 0006862

TOTALS FOR JOB 0006862

ITEMS COST:	\$9,178,247.78
COST GROUP COST:	\$22,300,000.00
ESTIMATED COST:	\$31,478,247.78
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.10
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$34,626,072.56

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P. I. Nos. 0006862 & 731865 OFFICE: Environmental Services
DATE: June 26, 2013

FROM *GB/ma*
Glenn Bowman, P.E., State Environmental Administrator

TO Distribution Below

SUBJECT PUBLIC HEARING OPEN HOUSE SYNOPSIS

PROJECT Nos. & COUNTY: CSSTP-0006-00(862) & BRST0-0213-01(005), Cobb

PROJECT DESCRIPTION: The project proposes to widen SR 92 from US 41 to Glade Road to a divided four-lane facility with 11-foot lanes on the inside and 12-foot lanes on the outside. The typical section would also include a raised concrete median varying from 8 to 20 feet in width (except on bridges); a 16-foot shoulder with curb and gutter and a 10-foot multi-use path on the east side of the roadway; and a 12-foot shoulder with curb and gutter and a 5-foot sidewalk on the west side of the roadway. A new bridge would be constructed over SR 293/Main Street and the CSX Railroad which would be approximately 224 feet in length and have a total width of 86 feet. A new bridge would also be constructed over Allatoona Lake that would be approximately 1,418 feet in length and have a total width of 74 feet.

DATE: June 26, 2013

NUMBER IN ATTENDANCE: 99

FOR: 14

CONDITIONAL: 4

UNCOMMITTED: 0

AGAINST: 2

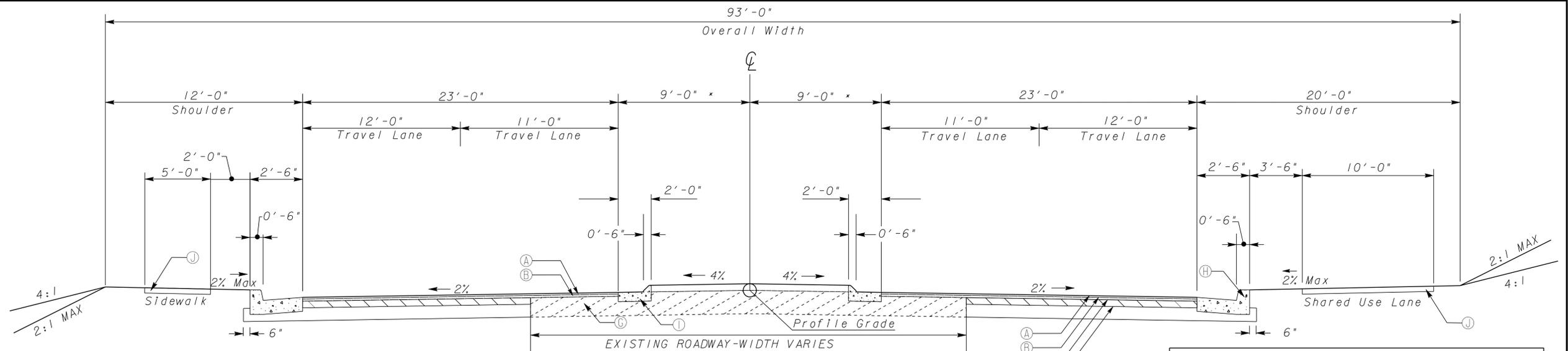
OFFICIALS IN ATTENDANCE: James Albright - City of Acworth
Albert Price - Acworth City Council
Brian Balthuis - City of Acworth
Tommy Allgood - Mayor

ADDITIONAL COMMENTS: Several commenters wanted additional traffic signals at various locations along SR 92. One commenter expressed concern that the project would adversely affect his property. Two commenters suggested the 3rd Army Road interchange project should either be built prior to this project or should be built in lieu of this project.

PREPARED BY: Bobby Dollar

TELEPHONE No.: (404) 631-1920

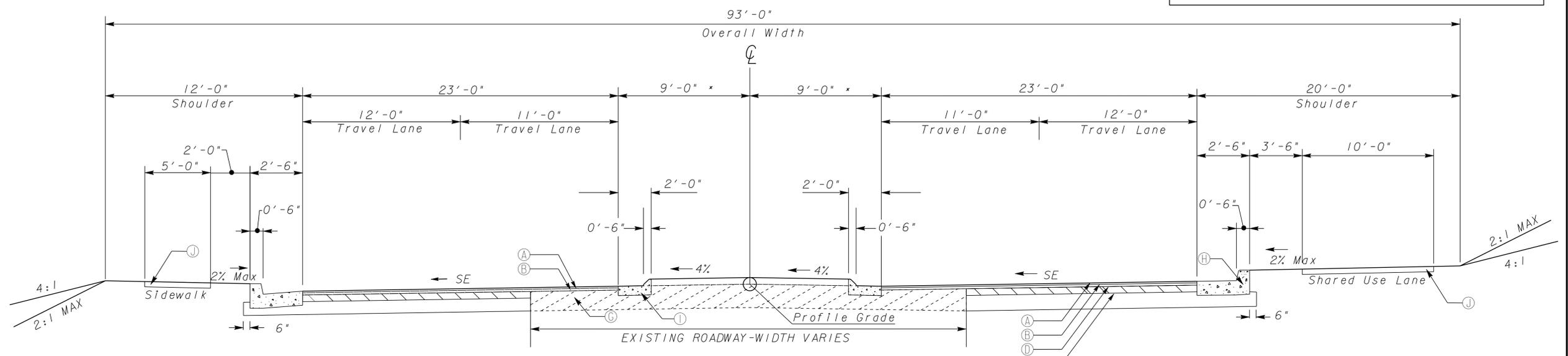
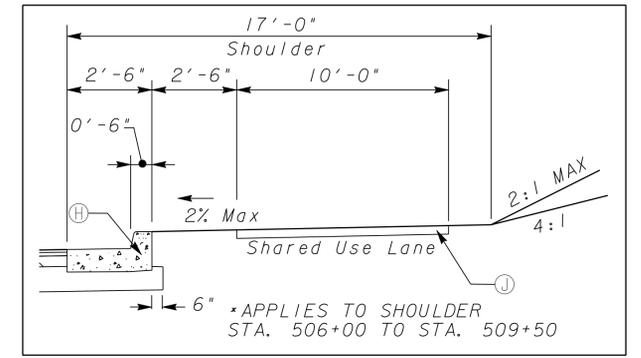
cc: Russell McMurry, P.E.
Rachel Brown
Chandria Brown, P.E.
Genentha Rice-Singleton, P.E.
Scott Lee
Vicki Gavalas



REQUIRED PAVEMENT

- Ⓐ ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL AND H LIME 165 LB/SY
- Ⓑ ASPHALTIC CONCRETE 19 MM SUPERPAVE, GP 1 OR 2 INCL BITUM MATL AND H LIME 220 LB/SY
- Ⓒ ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 330 LB/SY
- Ⓓ ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 990 LB/SY
- Ⓔ GRADED AGGREGATE BASE, 8 INCH INCL MATL
- Ⓕ GRADED AGGREGATE BASE, 12 INCH INCL MATL
- Ⓖ ASPHALTIC CONCRETE LEVELING, INCL BITUM MATL AND H LIME (AS REQ'D)
- Ⓗ 8"x30" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- Ⓢ 8"x24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 7
- Ⓣ CONC. SIDEWALK, 4" THK, GA. DETAIL A-3

TS-1A
 TANGENT SECTION
 APPLIES TO:
 STA. 500+86.45 TO STA. 520+50
 STA. 555+50 TO STA. 580+00
 STA. 600+00 TO STA. 627+50



TS-1B
 SUPERELEVATED SECTION

NOT TO SCALE

GEORGIA
 DEPARTMENT
 OF
 TRANSPORTATION

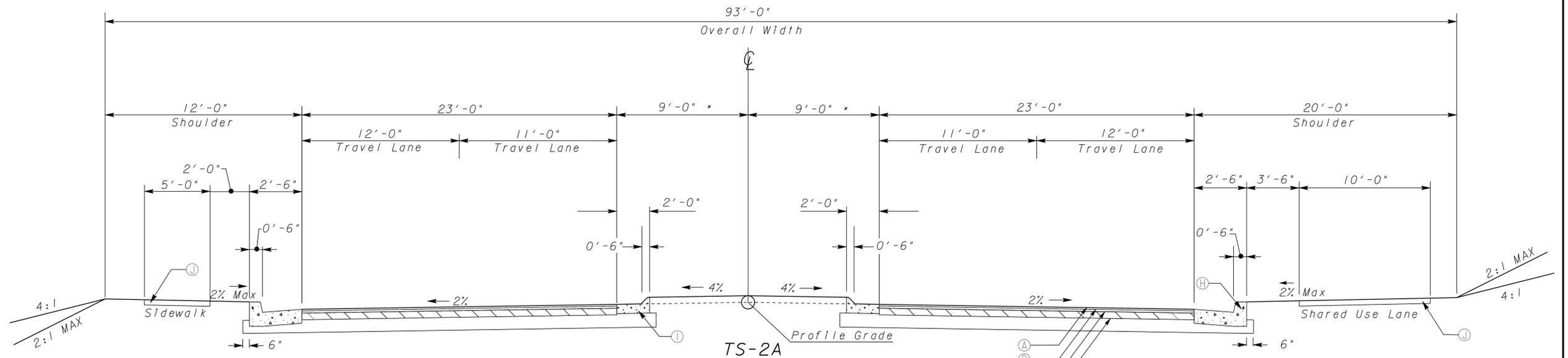
URS
 400 NORTHPARK TOWN CENTER
 1000 ABERNATHY ROAD, N.E., SUITE 900
 ATLANTA, GEORGIA 30328
 TEL: (678) 808-8800 FAX: (678) 808-8400

REVISION DATES	

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: PROGRAM DELIVERY

TYPICAL SECTIONS

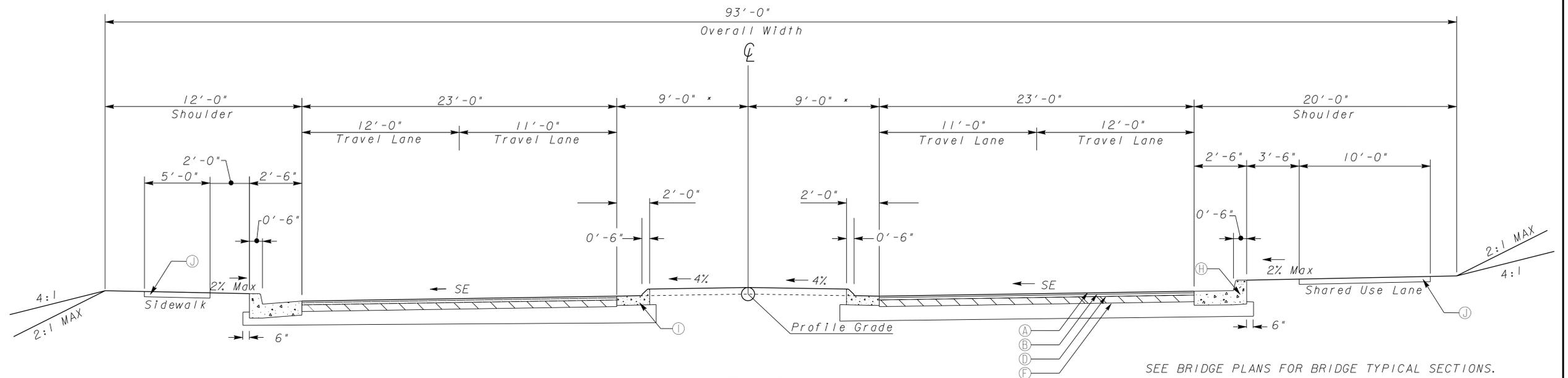
SR 92/ LAKE ACWORTH DR - COBB CO. DRAWING No. **05-001**



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- Ⓕ GRADED AGGREGATE BASE, 12 INCH INCL MATL
- Ⓖ ASPHALTIC CONCRETE LEVELING, INCL BITUM MATL AND H LIME (AS REQ'D)
- Ⓗ 8"x30" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- Ⓡ 8"x24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 7
- Ⓣ CONC. SIDEWALK, 4" THK, GA. DETAIL A-3

TS-2A
 TANGENT SECTION
 APPLIES TO: SR 92
 STA. 520+50 TO STA 555+50
 STA. 580+00 TO STA 600+00



TS-2B
 SUPERELEVATED SECTION

SEE BRIDGE PLANS FOR BRIDGE TYPICAL SECTIONS.

NOT TO SCALE

GEORGIA
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NOT TO SCALE

REVISION DATES

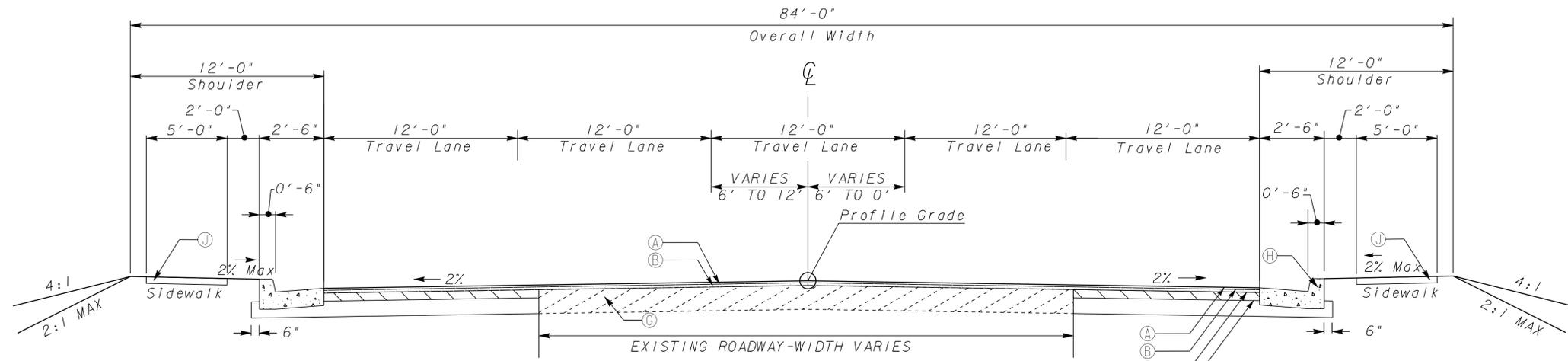
NO.	DATE	DESCRIPTION

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: PROGRAM DELIVERY

TYPICAL SECTIONS

SR 92/ LAKE ACWORTH DR - COBB CO.

DRAWING No.
05-002



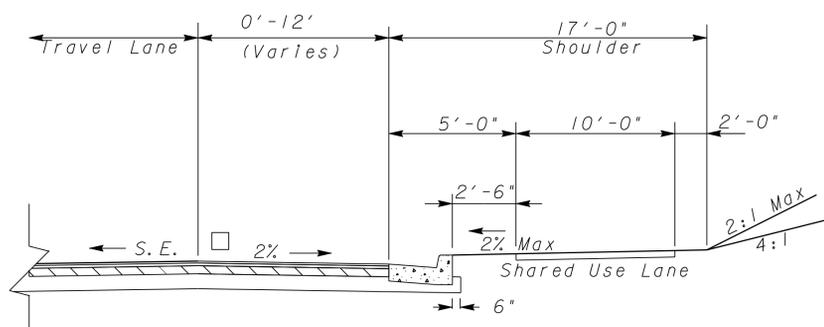
TS-4

TANGENT SECTION
 APPLIES TO:

GLADE ROAD/CHEROKEE ROAD
 STA. 156+30 TO STA. 164+00

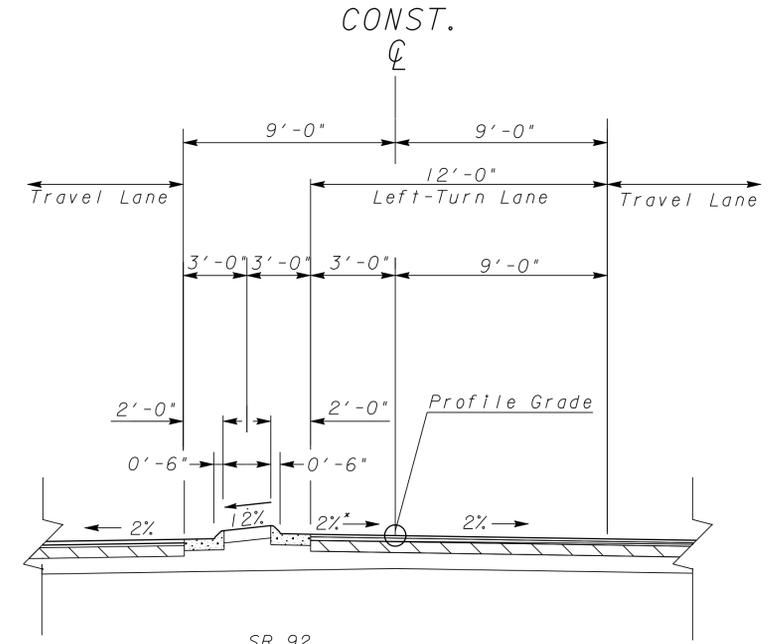
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- Ⓑ ASPHALTIC CONCRETE 19 MM SUPERPAVE, GP 1 OR 2 INCL BITUM MATL AND H LIME 220 LB/SY
- Ⓒ ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 330 LB/SY
- Ⓓ ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 990 LB/SY
- Ⓔ GRADED AGGREGATE BASE, 8 INCH INCL MATL
- Ⓕ GRADED AGGREGATE BASE, 12 INCH INCL MATL
- Ⓖ ASPHALTIC CONCRETE LEVELING, INCL BITUM MATL AND H LIME (AS REQ'D)
- Ⓗ 8"x30" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- Ⓘ 8"x24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 7
- Ⓚ CONC. SIDEWALK, 4" THK, GA. DETAIL A-3



SR 92
 TYPICAL RIGHT TURN LANE SECTION

□ MAXIMUM BREAKOVER = 4%



SR 92
 TYPICAL LEFT TURN LANE SECTION

* IN SUPERELEVATION SECTIONS THE LEFT TURN LANE'S CROSS SLOPE MATCHES THE ADJACENT TRAVEL LANE

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NOT TO SCALE

REVISION DATES

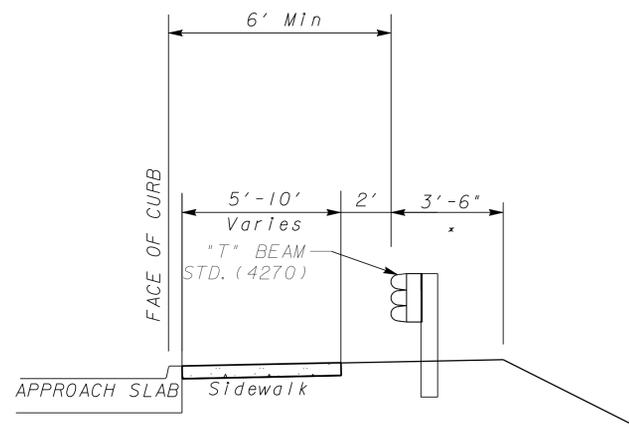
NO.	DATE	DESCRIPTION

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: PROGRAM DELIVERY

TYPICAL SECTIONS

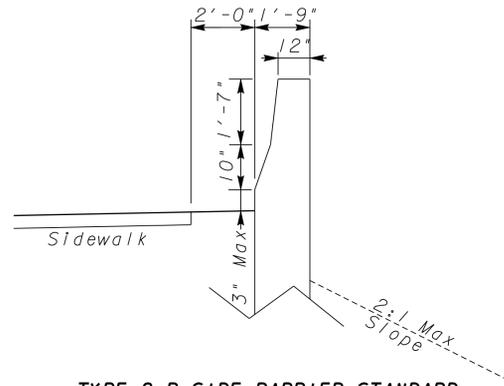
SR 92/ LAKE ACWORTH DR - COBB CO.

DRAWING No.
05-003

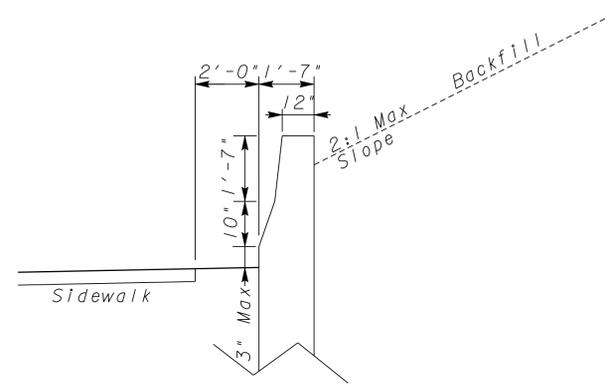


GUARDRAIL LOCATION DETAIL FOR URBAN SHOULDER WITH APPROACH SLAB
 SEE PLANS FOR LOCATIONS
 SEE GA STD 4280

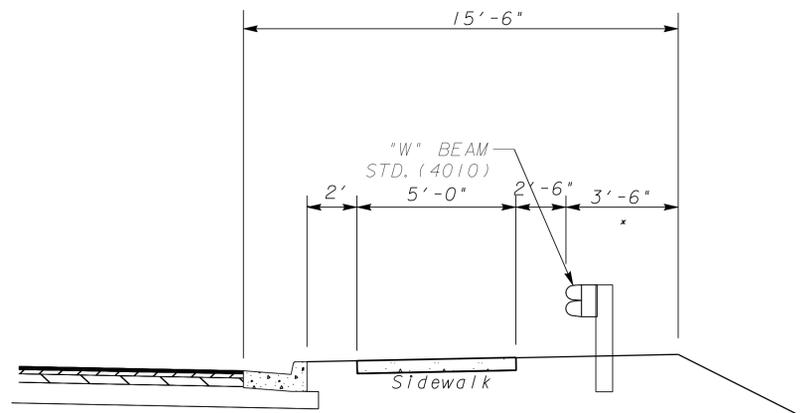
* MAY BE REDUCED TO 2'-6" WITH EXTENDED DEPTH POSTS



TYPE 2-B SIDE BARRIER STANDARD FOR URBAN SHOULDER FILL SLOPE
 SEE PLANS FOR LOCATIONS
 SEE GA STD 4948B

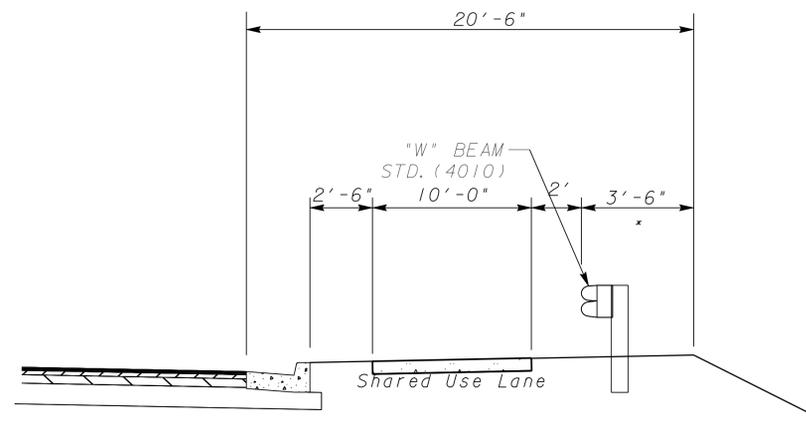


TYPE 6-B SIDE BARRIER STANDARD FOR URBAN SHOULDER CUT SLOPE
 SEE PLANS FOR LOCATIONS
 SEE GA STD 4948C



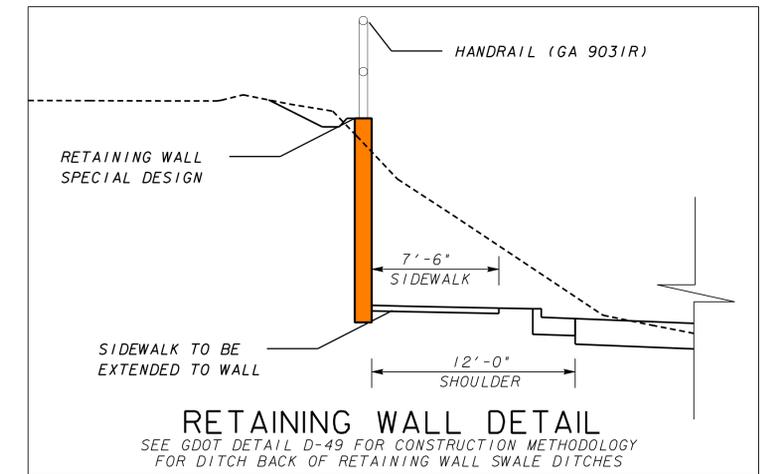
GUARDRAIL LOCATION DETAIL FOR URBAN SHOULDER
 SEE PLANS FOR LOCATIONS
 SEE GA STD 4280

* MAY BE REDUCED TO 2'-6" WITH EXTENDED DEPTH POSTS



GUARDRAIL LOCATION DETAIL FOR URBAN SHOULDER
 SEE PLANS FOR LOCATIONS
 SEE GA STD 4280

* MAY BE REDUCED TO 2'-6" WITH EXTENDED DEPTH POSTS



RETAINING WALL DETAIL
 SEE GDOT DETAIL D-49 FOR CONSTRUCTION METHODOLOGY FOR DITCH BACK OF RETAINING WALL SWALE DITCHES

NOT TO SCALE

NOT TO SCALE

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URS
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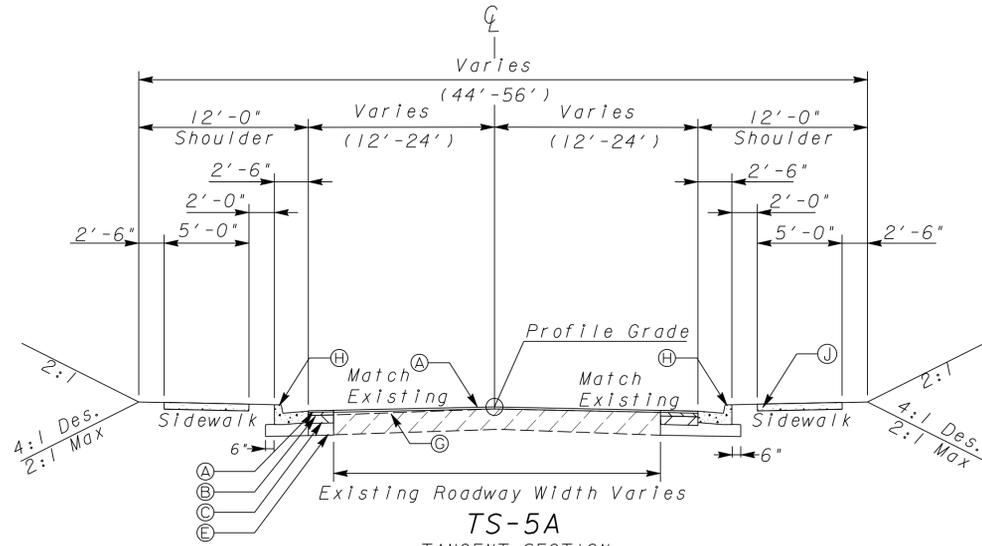
REVISION DATES

STATE OF GEORGIA
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TYPICAL SECTIONS

SR 92/ LAKE ACWORTH DR - COBB CO.

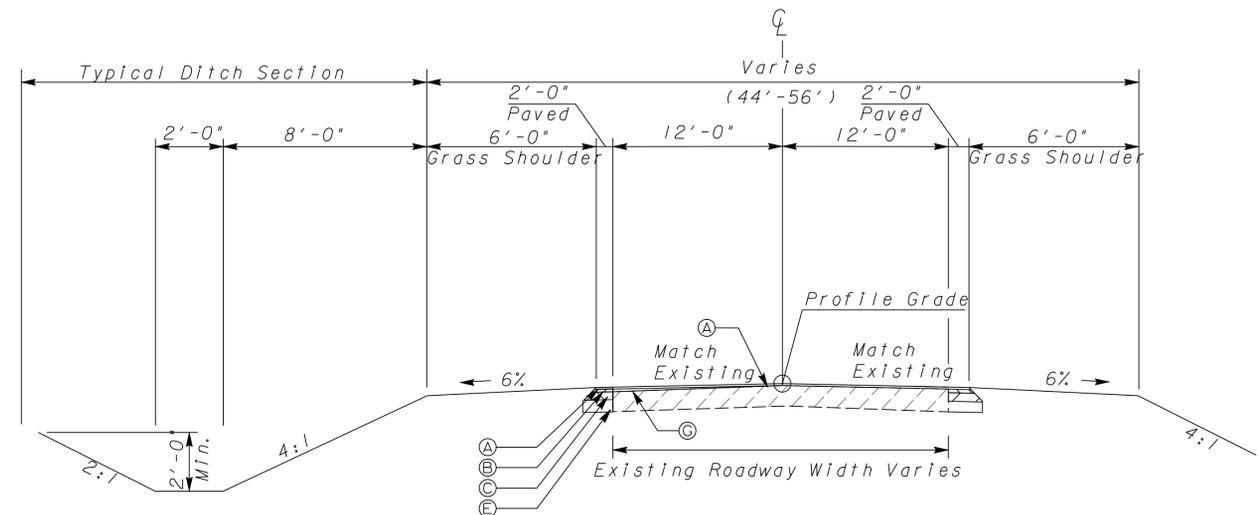
DRAWING No.
05-004



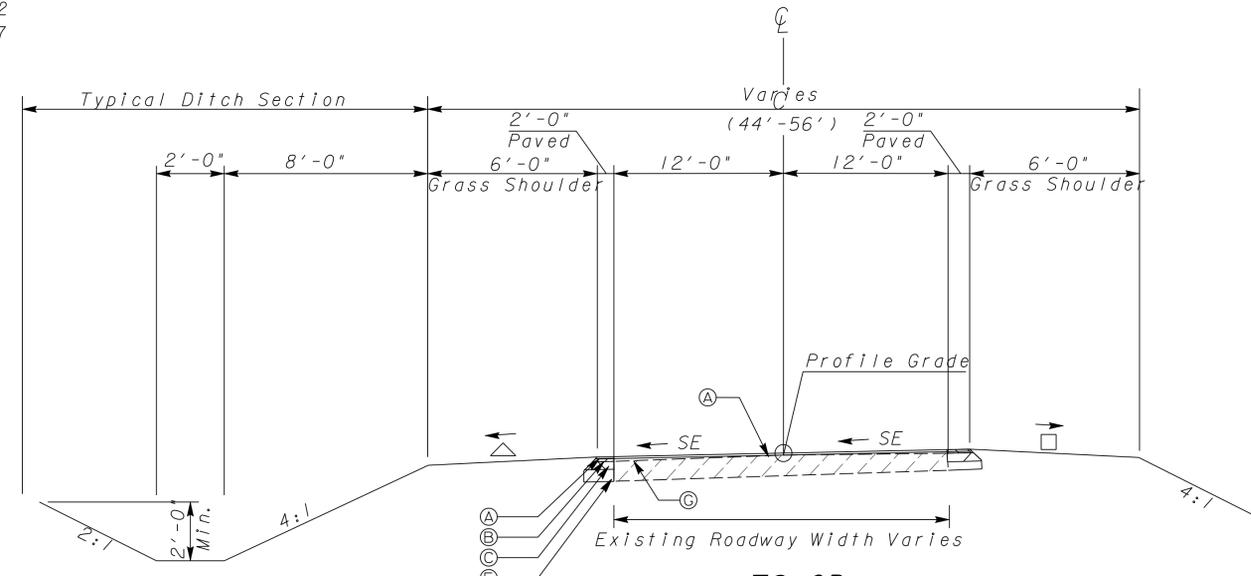
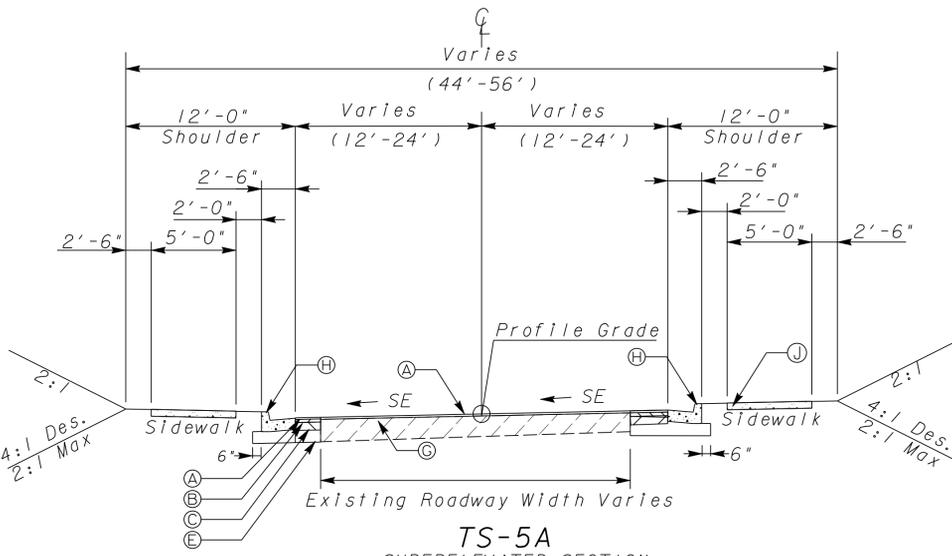
PROCTOR LANDING RD/KEMP RIDGE RD
 STA. 12+50 - STA. 17+25
 STA. 27+75 - STA. 29+25
 ORR RD
 STA. 35+00 - STA. 36+20
 COLLINS CIRCLE
 STA. 73+00 - STA. 73+25
 ADAMS CIRCLE
 STA. 81+75 - STA. 83+00
 W./E. LAKESHORE DR
 STA. 85+90.03 - STA. 86+50
 STA. 94+50 - STA. 95+50
 MAIN ST NB RAMP
 STA. 102+25 - 105+65
 MAIN ST SB RAMP
 STA. 105+65 - STA. 108+25

REQUIRED PAVEMENT

- (A) ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL AND H LIME 165 LB/SY
- (B) ASPHALTIC CONCRETE 19 MM SUPERPAVE, GP 1 OR 2 INCL BITUM MATL AND H LIME 220 LB/SY
- (C) ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 330 LB/SY
- (D) ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 990 LB/SY
- (E) GRADED AGGREGATE BASE, 8 INCH INCL MATL
- (F) GRADED AGGREGATE BASE, 12 INCH INCL MATL
- (G) ASPHALTIC CONCRETE LEVELING, INCL BITUM MATL AND H LIME (AS REQ'D)
- (H) 8"x30" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- (I) 8"x24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 7
- (J) CONC. SIDEWALK, 4" THK, GA. DETAIL A-3



RAGSDALE RD
 STA. 51+25 - STA. 51+70



SLOPES AS FOLLOWS:
 ▲ SLOPE 6% OR RATE OF S.E. WHICHEVER IS GREATER
 □ S.E. RATE OF 2% USE 6%
 S.E. RATE OF 3% USE 5%
 S.E. RATE OF 4% USE 4%
 S.E. RATE OF 5% USE 3%
 S.E. RATE OF 6% USE 2%

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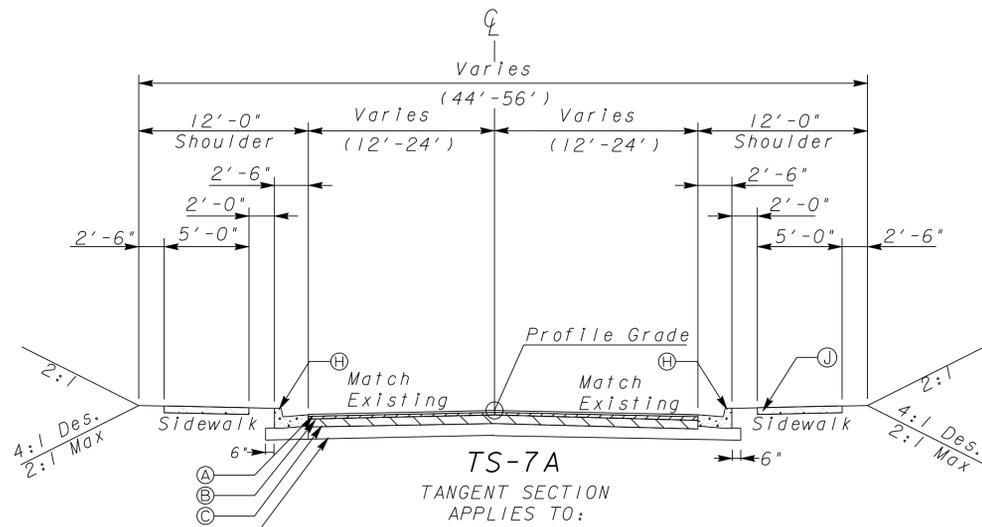
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REVISION DATES

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: PROGRAM DELIVERY

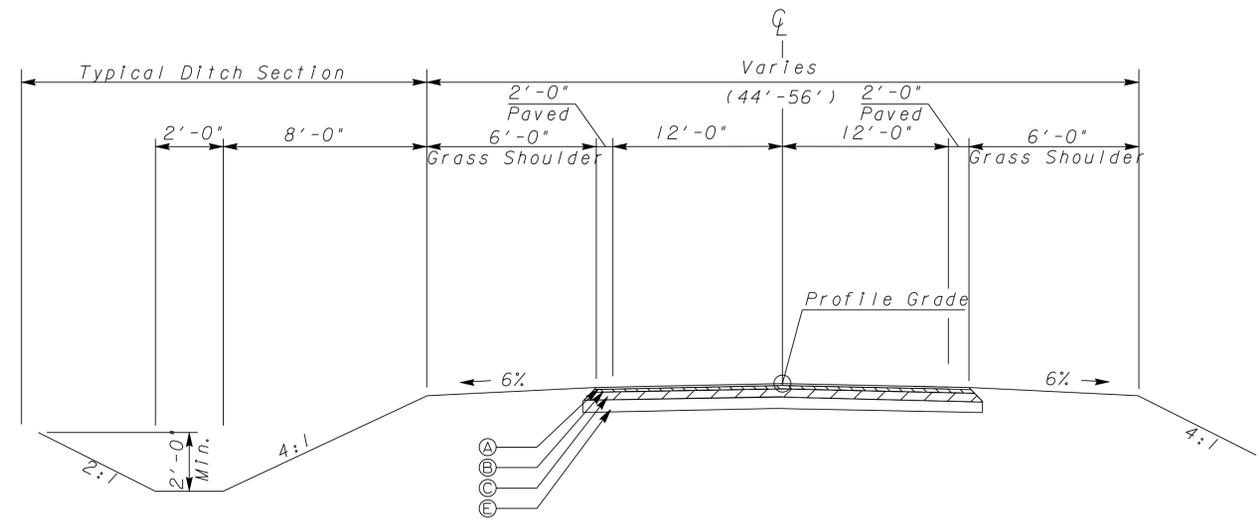
TYPICAL SECTIONS

SR 92/ LAKE ACWORTH DR - COBB CO. DRAWING No. 05-005

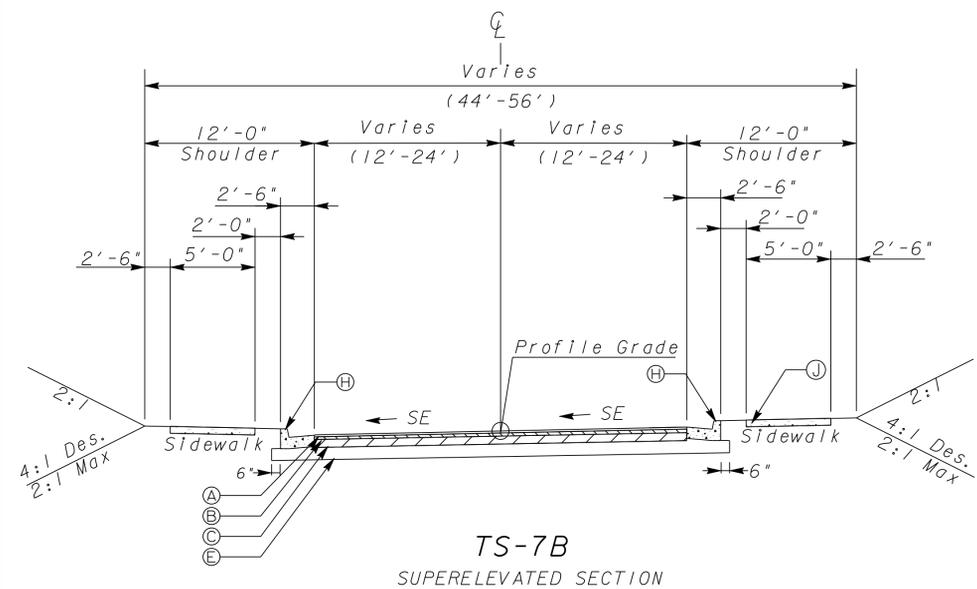


TS-7A
 TANGENT SECTION
 APPLIES TO:
 PROCTOR LANDING RD/KEMP RIDGE RD
 STA. 17+25 - STA. 27+75
 ACWORTH UMC DRIVEWAY
 STA. 65+00 - STA. 67+40.59
 COLLINS CIRCLE
 STA. 70+00 - STA. 73+00
 ADAMS CIRCLE
 STA. 80+00 - STA. 81+75
 W./E. LAKESHORE DR
 STA. 86+50 - STA. 94+50
 MAIN ST NB RAMP
 STA. 100+00 - STA. 102+25
 MAIN ST SB RAMP
 STA. 108+25 - STA. 110+00

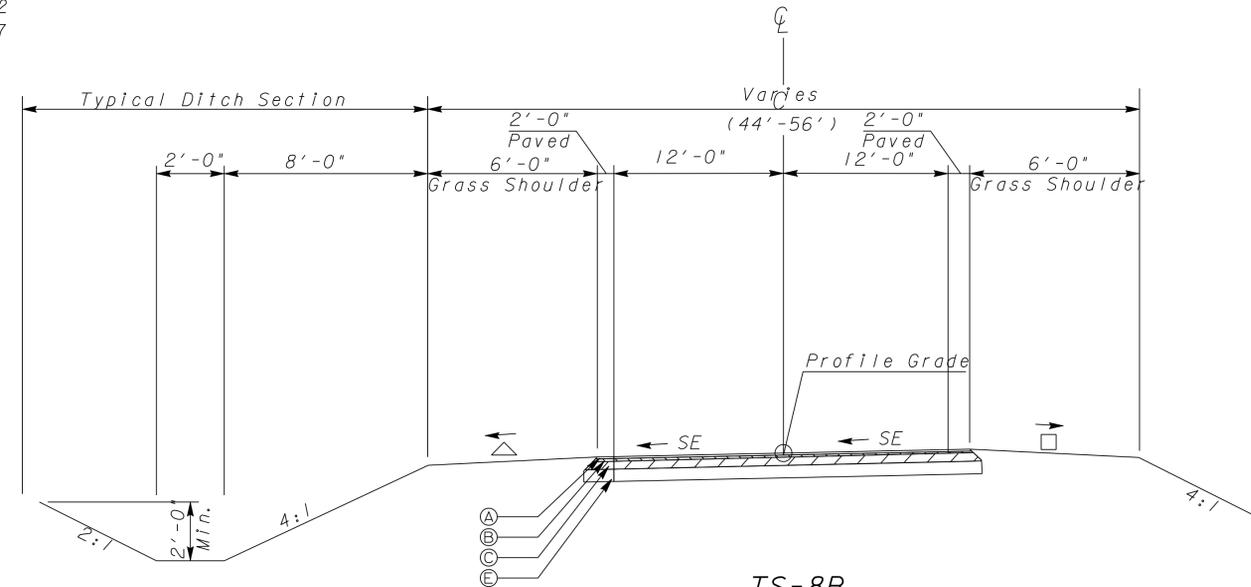
- REQUIRED PAVEMENT**
- (A) ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL AND H LIME 165 LB/SY
 - (B) ASPHALTIC CONCRETE 19 MM SUPERPAVE, GP 1 OR 2 INCL BITUM MATL AND H LIME 220 LB/SY
 - (C) ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 330 LB/SY
 - (D) ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 990 LB/SY
 - (E) GRADED AGGREGATE BASE, 8 INCH INCL MATL
 - (F) GRADED AGGREGATE BASE, 12 INCH INCL MATL
 - (G) ASPHALTIC CONCRETE LEVELING, INCL BITUM MATL AND H LIME (AS REQ'D)
 - (H) 8"x30" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
 - (I) 8"x24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 7
 - (J) CONC. SIDEWALK, 4" THK, GA. DETAIL A-3



TS-8A
 TANGENT SECTION
 APPLIES TO:
 RAGSDALE RD
 STA. 45+00 - STA. 51+25



TS-7B
 SUPERELEVATED SECTION



TS-8B
 SUPERELEVATED SECTION

SLOPES AS FOLLOWS:

- ▲ SLOPE 6% OR RATE OF S.E. WHICHEVER IS GREATER
- S.E. RATE OF 2% USE 6%
- S.E. RATE OF 3% USE 5%
- S.E. RATE OF 4% USE 4%
- S.E. RATE OF 5% USE 3%
- S.E. RATE OF 6% USE 2%

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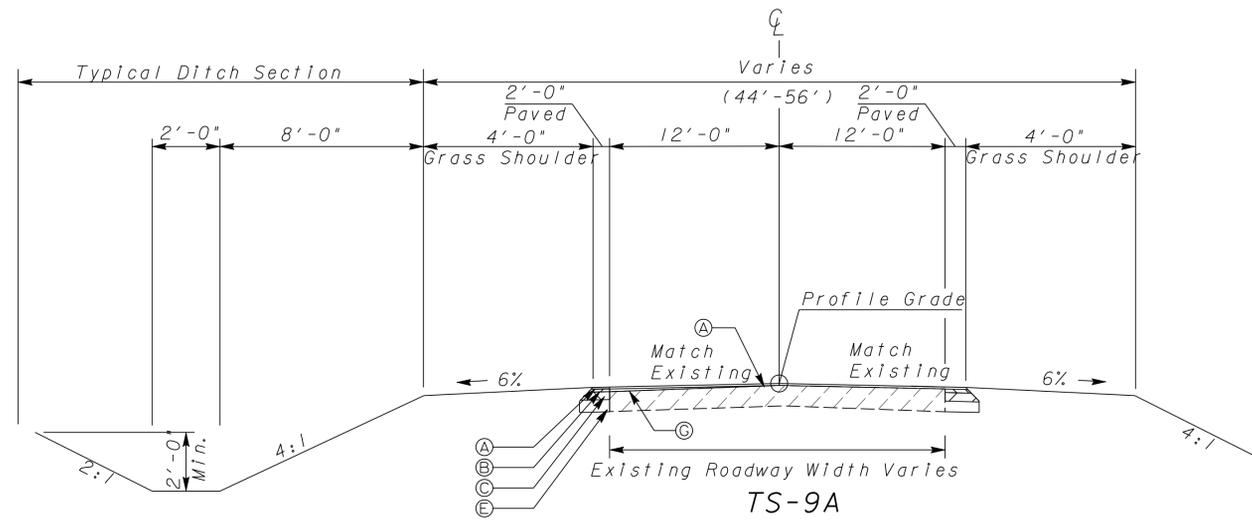
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REVISION DATES	

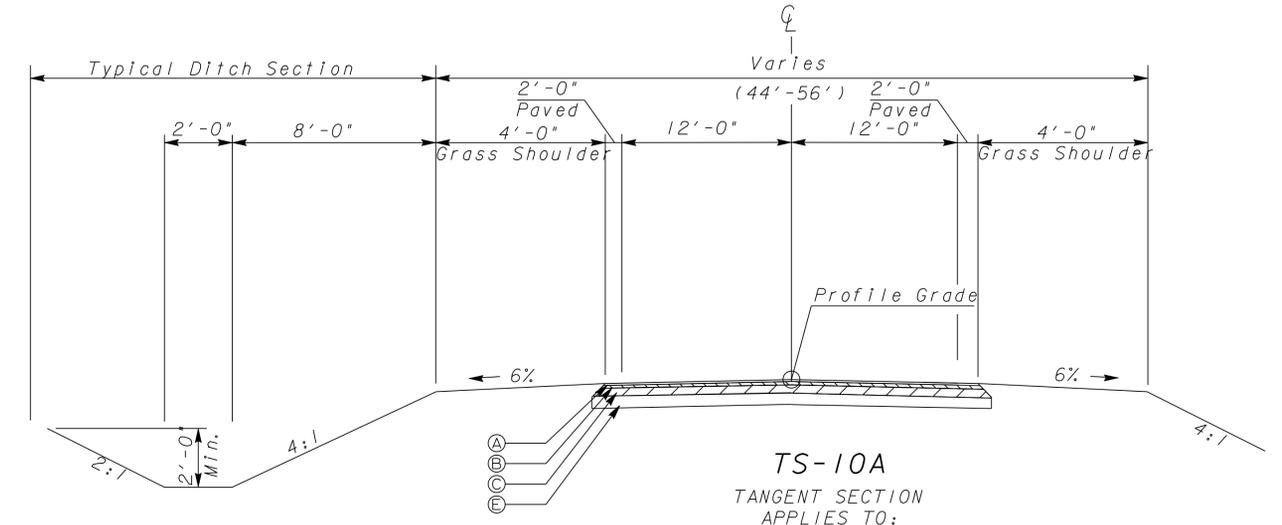
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TYPICAL SECTIONS

SR 92/ LAKE ACWORTH DR - COBB CO. DRAWING No. **05-006**



TS-9A
 TANGENT SECTION
 APPLIES TO:
 OLD SR 92 DW1
 STA. 104+00 - STA. 104+20
 OLD SR 92 DW2
 STA. 105+75 - STA. 106+50
 MCLAIN CIRCLE
 STA. 152+25 - STA. 153+45



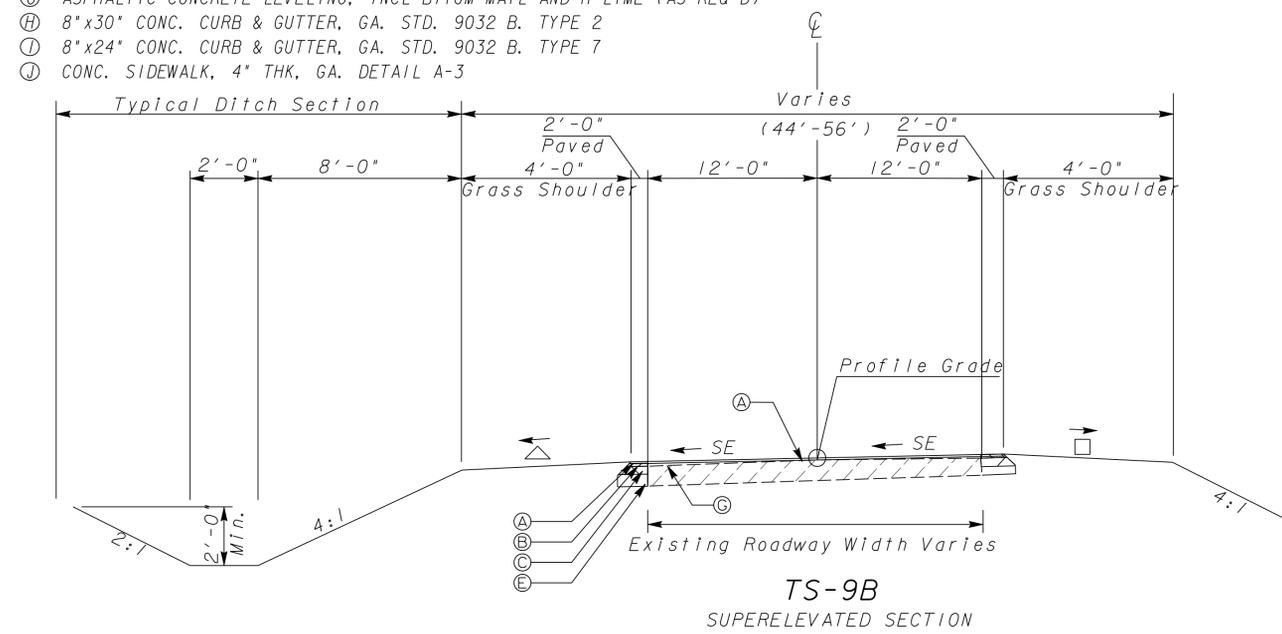
TS-10A
 TANGENT SECTION
 APPLIES TO:
 OLD SR 92 DW1
 STA. 100+00 - STA. 104+00
 OLD SR 92 DW2
 STA. 106+50 - STA. 110+00
 MCLAIN CIRCLE
 STA. 151+10 - STA. 152+25

REQUIRED PAVEMENT

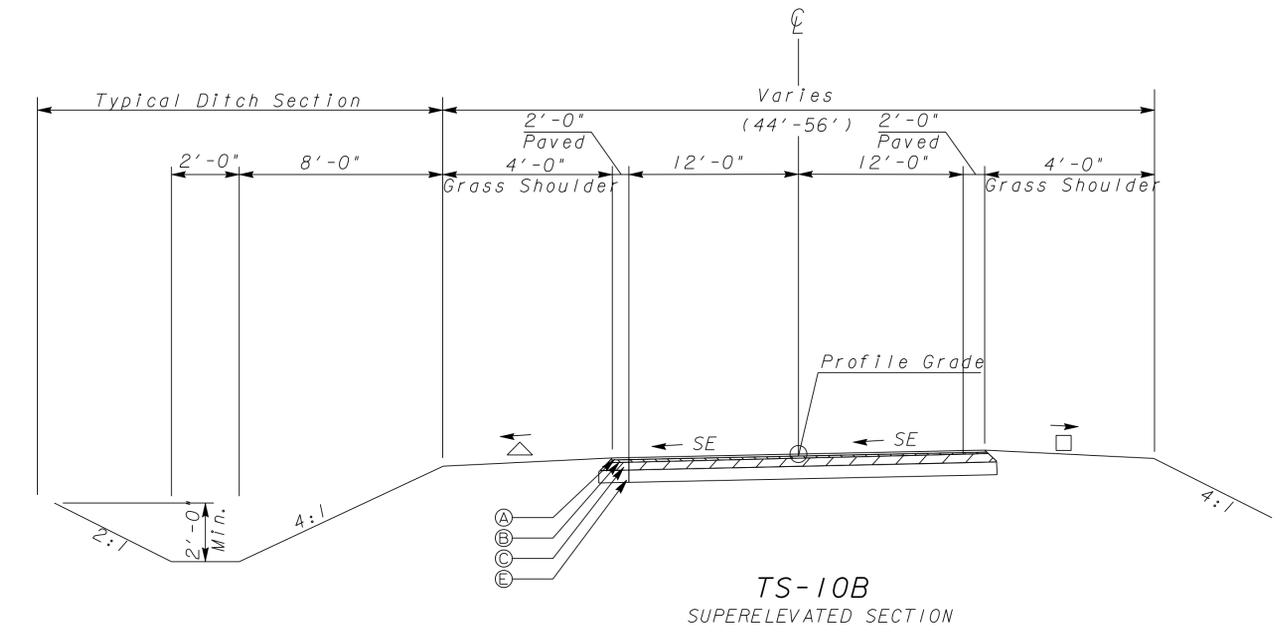
- Ⓐ ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL AND H LIME 165 LB/SY
- Ⓑ ASPHALTIC CONCRETE 19 MM SUPERPAVE, GP 1 OR 2 INCL BITUM MATL AND H LIME 220 LB/SY
- Ⓒ ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 330 LB/SY
- Ⓓ ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 990 LB/SY
- Ⓔ GRADED AGGREGATE BASE, 8 INCH INCL MATL
- Ⓕ GRADED AGGREGATE BASE, 12 INCH INCL MATL
- Ⓖ ASPHALTIC CONCRETE LEVELING, INCL BITUM MATL AND H LIME (AS REQ'D)
- Ⓗ 8"x30" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- Ⓘ 8"x24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 7
- Ⓚ CONC. SIDEWALK, 4" THK, GA. DETAIL A-3

SLOPES AS FOLLOWS:

- ▲ SLOPE 6% OR RATE OF S.E. WHICHEVER IS GREATER
- S.E. RATE OF 2% USE 6%
- S.E. RATE OF 3% USE 5%
- S.E. RATE OF 4% USE 4%
- S.E. RATE OF 5% USE 3%
- S.E. RATE OF 6% USE 2%



TS-9B
 SUPERELEVATED SECTION



TS-10B
 SUPERELEVATED SECTION

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REVISION DATES

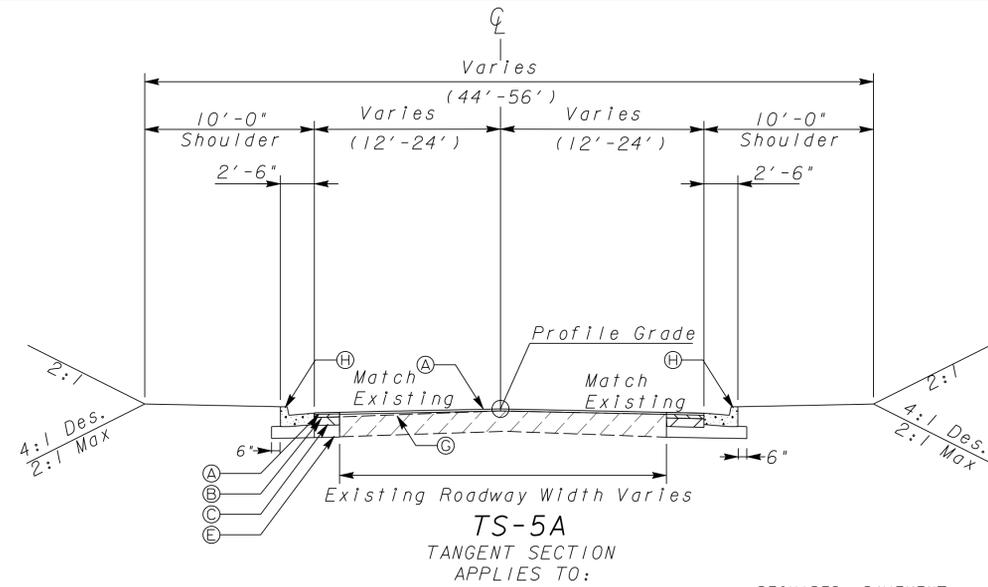
NO.	DATE	DESCRIPTION

STATE OF GEORGIA
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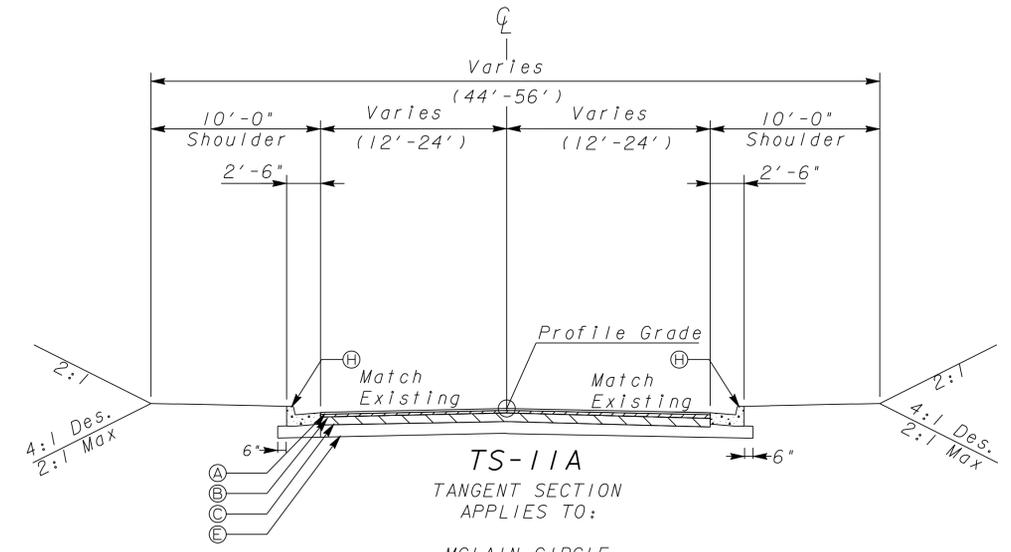
TYPICAL SECTIONS

SR 92/ LAKE ACWORTH DR - COBB CO.

DRAWING No. **05-007**



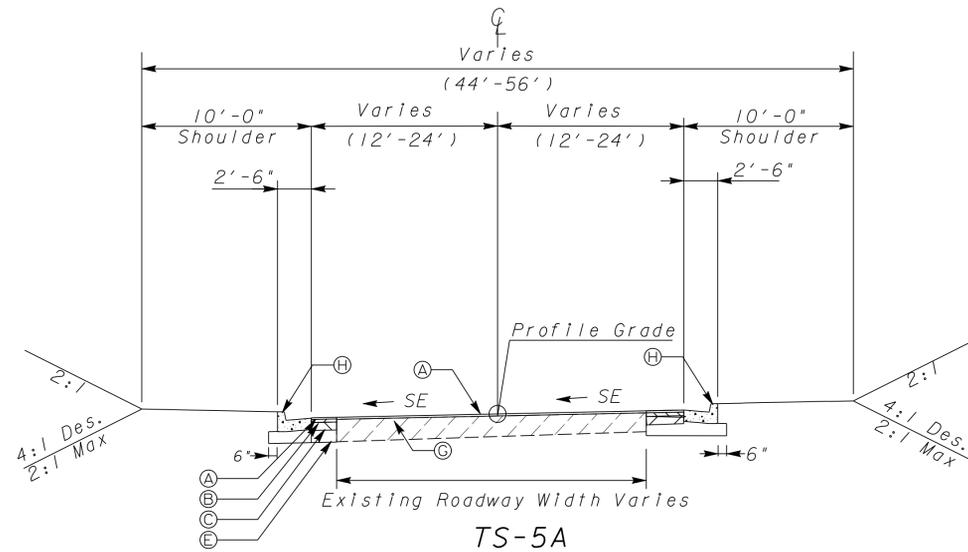
TS-5A
 TANGENT SECTION
 APPLIES TO:
 MCLAIN CIRCLE
 STA. 147+70 - STA. 148+00



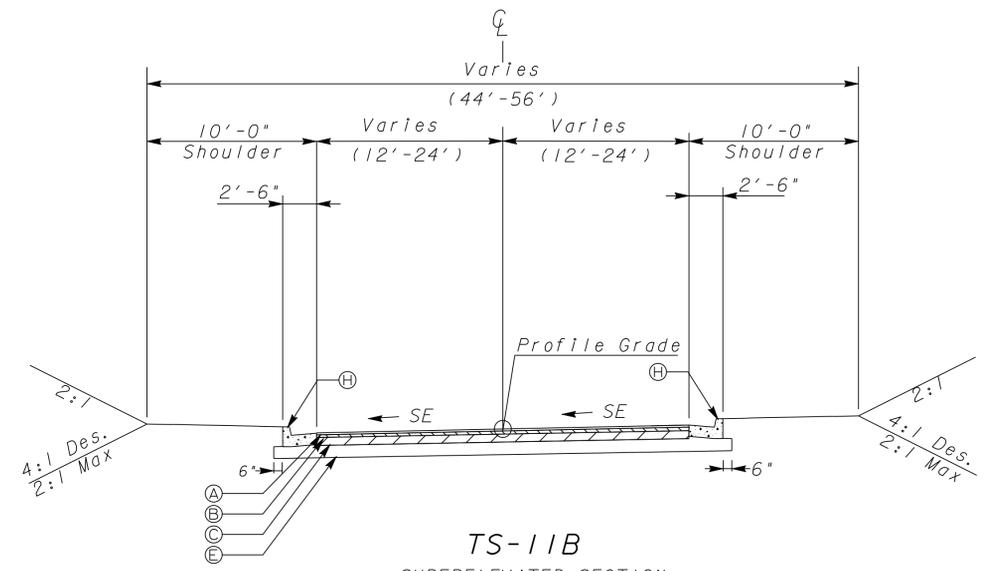
TS-11A
 TANGENT SECTION
 APPLIES TO:
 MCLAIN CIRCLE
 STA. 148+00 - STA. 151+10

REQUIRED PAVEMENT

- Ⓐ ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL AND H LIME 165 LB/SY
- Ⓑ ASPHALTIC CONCRETE 19 MM SUPERPAVE, GP 1 OR 2 INCL BITUM MATL AND H LIME 220 LB/SY
- Ⓒ ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 330 LB/SY
- Ⓓ ASPHALTIC CONCRETE 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME 990 LB/SY
- Ⓔ GRADED AGGREGATE BASE, 8 INCH INCL MATL
- Ⓕ GRADED AGGREGATE BASE, 12 INCH INCL MATL
- Ⓖ ASPHALTIC CONCRETE LEVELING, INCL BITUM MATL AND H LIME (AS REQ'D)
- Ⓗ 8"x30" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 2
- Ⓘ 8"x24" CONC. CURB & GUTTER, GA. STD. 9032 B. TYPE 7
- Ⓝ CONC. SIDEWALK, 4" THK, GA. DETAIL A-3



TS-5A
 SUPERELEVATED SECTION



TS-11B
 SUPERELEVATED SECTION

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REVISION DATES

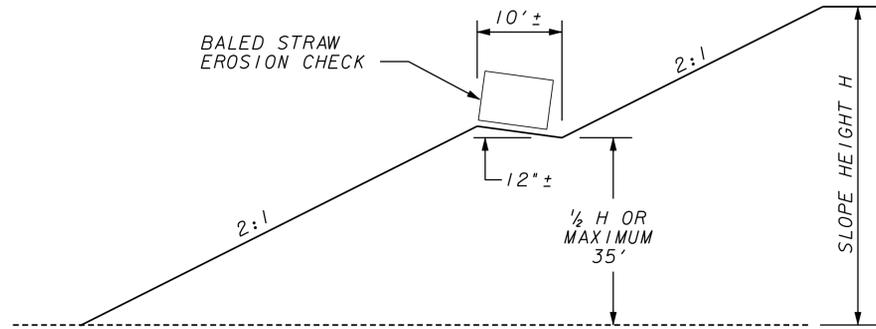
NO.	DATE	DESCRIPTION

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
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TYPICAL SECTIONS

SR 92/ LAKE ACWORTH DR - COBB CO.

DRAWING No. **05-008**

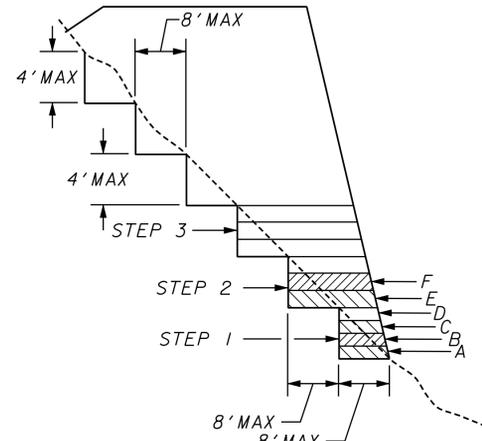


NOTES:

1. FOR SLOPE HEIGHTS LESS THAN 70 FT., BUT GREATER THAN 35 FT., A BERM SHOULD BE CONSTRUCTED AT APPROX. 1/2 THE SLOPE HEIGHT. FOR SLOPE HEIGHTS GREATER THAN 70 FT., CONSTRUCT A BERM EVERY 35 FT.
2. THE BERM SHOULD BE SLOPED TO DRAIN AND SHOULD BE CONNECTED TO CONCRETE FLUMES TO REMOVE WATER FROM SLOPE.
3. A DRAINAGE DITCH SHOULD BE CONSTRUCTED AT THE TOP OF CUT SLOPES WHERE WATER DRAINS TOWARDS SLOPE.

BERM DETAIL FOR CUTS AND FILLS OVER 35 FEET

SCALE: NONE

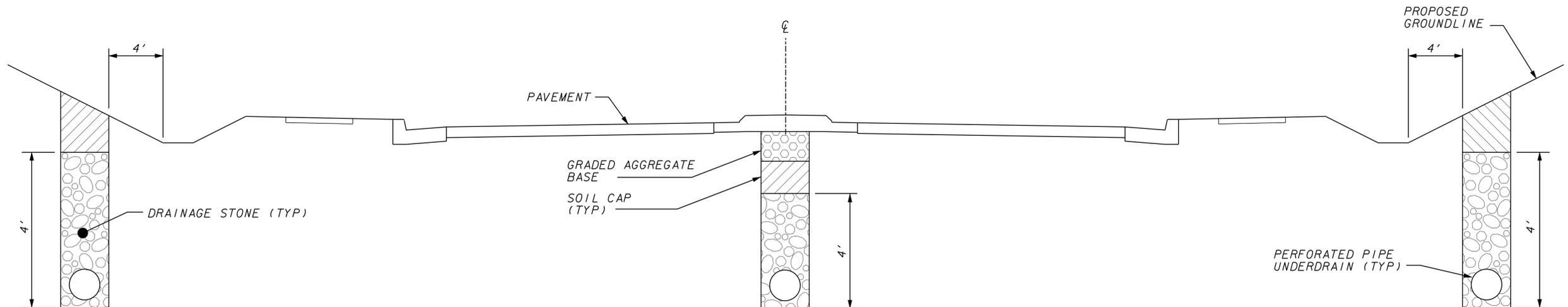


NOTES:

1. 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 BENCHED WHILE THE EMBANKMENT IS BEING CONSTRUCTED. (SEE DIAGRAM AT LEFT)
2. THE DIAGRAM SHOWS THAT BEFORE LAYER "A" IS PLACED THE FIRST STEP (1) IS TO CUT INTO THE SLOPE A MAXIMUM DISTANCE OF ABOUT 8' (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 TO 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' IF AN 8' HORIZONTAL CUT IS MADE, THEN THE ACTUAL CUT STOPS WHEN THE VERTICAL PART REACHES A MAXIMUM OF 4' ALLOWING THE HORIZONTAL DISTANCE TO VARY.
3. THE PROCESS OF BENCHING IS CONSIDERED INCIDENTAL TO THE ITEM OF UNCLASSIFIED EXCAVATION AND BORROW OR GRADING COMPLETE IN CONSTRUCTION OF THE EMBANKMENT AND NO ADDITIONAL MEASUREMENT OF QUANTITY OR PAYMENT WILL BE MADE FOR BENCHING.

BENCHING DETAIL

SCALE: NONE



NOTES:

1. PERFORATED UNDERDRAIN TO BE PLACED AT 4 FEET IN ACCORDANCE WITH STANDARD 9029B
2. PIPES SHALL BE TIED INTO CROSS DRAIN PIPES.
3. UNDERDRAINS SHALL BE INSTALLED AT THE DIRECTION OF THE ENGINEER.
4. WHERE UNDERDRAINS WILL BE INSTALLED IN CONJUNCTION WITH SLOPE DRAINS, SLOPE DRAINS SHALL BE PLACED A SUFFICIENT DISTANCE ABOVE THE UNDERDRAIN AS NOT TO INTERFERE WITH UNDERDRAIN INSTALLATION.

**UNDERDRAIN PLACEMENT
DETAIL FOR HIGH WATER TABLE AREAS**

SCALE: NONE

APPLIES TO STATION TO STATION	LOCATION
533+00± TO 538+00±	LEFT, CENTER, & RIGHT

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REVISION DATES

NO.	DATE	DESCRIPTION

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

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TYPICAL SECTIONS

SR 92/ LAKE ACWORTH DR - COBB CO.

DRAWING No.
05-009

NOTICE OF LOCATION AND DESIGN APPROVAL

CSSTP-0006-00(862) & BRSTO-0213-01(005)

COBB COUNTY

P. I. 0006862 & 731865

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is JUNE 16, 2015.

The project is to widen and reconstruct SR92/Lake Acworth Drive from SR3/US41/Cobb Parkway to Cherokee Street in Land Lots # 7, 8, 32, 33, 43, 44, 45, 71, 72, 81 and Land District # 20.

The proposed project will widen and reconstruct SR92/Lake Acworth Drive from SR3/US41/Cobb Parkway to Cherokee Street (A.K.A Bartow Road, Glade Road) from a two-lane to a four-lane divided roadway with a variable 8-foot to 20-foot raised concrete median. One side of SR92/Lake Acworth Drive will have a 12-foot shoulder with curb and gutter and a sidewalk, while the other side will have a 20-foot shoulder with curb and gutter and a multi-use path. The existing signal at SR92/Lake Acworth Drive and SR3/US41/Cobb Parkway will need to be modified and accommodate the proposed widening of SR92/Lake Acworth Drive. This project also proposes to replace the SR92 bridges over Lake Acworth, Tanyard Creek and the CSX Railroad.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Sebastian Nesbitt
snesbitt@dot.ga.gov
1269 Kennestone Circle
Marietta, GA 30066
770-528-3238

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Albert V. Shelby, III
Office of Program Delivery
ashelby@dot.ga.gov
600 West Peachtree St., 25th Floor
Atlanta, GA 30308
404-631-1758

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.