SUMMARY OF SIGN QUANTITIES

STATION	CODE	SIGNS - TYPE III REFLECTIVE SHEETING (SQUARE FEET) TYPE 1 (.08 in) SIZE in x in	QUANTITY	ft²	SIGNS - TYPE III REFLECTIVE SHEETING (SQUARE FEET) TYPE 2 (.10 in) SIZE in x in	QUANTITY	ft²	SIGNS - TYPE IX REFLECTIVE SHEETING (SQUARE FEET) TYPE 1 (.08 in) SIZE in x in	QUANTITY	ft²	REMOVE SIGN EACH	RESET SIGN EACH	POSTS (LINEAR FEET) TYPE 7 LENGTH	QUANTITY	ft	TYPE 8 LENGTH	QUANTITY	ft	TYPE 9 LENGTH	QUANTITY	ft
106+90											1	1										
107+41											1	1										
107+86											1	1										
108+05	R3-7R	30 x 30	1	6.25									13.5	1	13.5							
108+05	W3-1	24 x 12	1	2.0									14.0	2	28.0							
	M1-5	24 x 24	1	4.0																		
	M1-5	24 x 30	1	5.0																		
108+60											1	1										
108+65	D1-2	42 x 24	1	7.0									13.0	1	13.0							
108+97											1	1										
109+45	R2-1	24 x 30	1	5.0									13.5	1	13.5							
110+33	R1-1							36 x 36	1	9.0			14.0	1	14.0							
110+68		24 x 30	1	5.0									13.5	1	13.5							
110+70											1	1										
111+00	W1-7							36 x 18	1	4.5			12.5	1	12.5							
	OM-3L							12 x 36	1	3.0			13.0	1	13.0							
	OM-3R							12 x 36	1	3.0			13.0	1	13.0							
111+35											1	1										
112+50	M2-1	21 x 15	1	2.5									16.5	2	33.0							
	M1-1	24 x 24	1	4.0																		
	D3-2	48 x 24	1	8.0																		
112+82	R1-1							36 x 36	1	9.0			14.0	1	14.0							
114+35	W8-13							36 x 36	1	9.0			15.0	1	15.0							
114+68	R2-1	24 x 30	1	5.0									13.5	1	13.5							
114+72	R560-5	24 x 18	1	3.0									12.5	1	12.5							
115+00	R1-1							36 x 36	1	9.0			14.0	1	14.0							
115+06	R1-2							TR1. 30	1	3.0			13.5	1	13.5							
115+85	R1-1							36 x 36	1	9.0			14.0	1	14.0							
116+65											1	1										
117+10	R8-3A	24 x 24	1	4.0									13.0	1	13.0							
118+43	R1-1							36 x 36	1	9.0			14.0	1	14.0							
118+80	R8-3A	24 x 24	1	4.0									13.0	1	13.0							
119+48	R1-1							36 x 36	1	9.0			14.0	1	14.0							
120+08	R1-1							36 x 36	1	9.0			14.0	1	14.0							
121+00	R1-1							36 x 36	1	9.0			14.0	1	14.0							
121+10	R8-3A	24 x 24	1	4.0									13.0	1	13.0							
125+40	R1-1							36 x 36	1	9.0			14.0	1	14.0							
126+60	R1-1							36 x 36	1	9.0			14.0	1	14.0							
127+22	R8-3A	24 x 24	1	4.0									13.0	1	13.0							
128+25	R8-3A	24 x 24	2	8.0									13.0	2	26.0							
129+05	R1-1							36 x 36	1	9.0			14.0	1	14.0							
129+60	R2-1	24 x 30	1	5.0									13.5	1	13.5							
129+70	R2-1	24 x 30	1	5.0									13.5	1	13.5							
129+72	R1-1							36 x 36	1	9.0			14.0	1	14.0							
	R5-1							36 x 36	1	9.0												
130+30											1	1										
130+87	R1-1							36 x 36	1	9.0			14.0	1	14.0							
131+32	R1-1							36 x 36	1	9.0			14.0	1	14.0							
133+10	R1-1							36 x 36	1	9.0			14.0	1	14.0							
133+97	W9-1R							36 x 36	1	9.0			15.0	1	15.0							
134+50											1	1										
134+55	R1-1							36 x 36	1	9.0			14.0	1	14.0							
135+00	R1-1							36 x 36	1	9.0			14.0	1	14.0							
136+00	R1-1							36 x 36	1	9.0			14.0	1	14.0							
137+05											1	1										
138+60	R1-1							36 x 36	1	9.0			14.0	1	14.0							
138+15	R1-1							36 x 36	1	9.0			14.0	1	14.0							
139+56	R8-3A	24 x 24	1	4.0									13.0	1	13.0							
138+95											1	1										
140+25	R1-1							36 x 36	1	9.0			14.0	1	14.0							
140+50	R1-1							36 x 36	1	9.0			14.0	1	14.0							
141+00	R3-7	36 x 36	1	9.0									14.0	1	14.0							
141+25	R1-1							36 x 36	1	9.0			14.0	1	14.0							
142+28	R1-1							36 x 36	1	9.0			14.0	1	14.0							
142+60	R1-1							36 x 36	1	9.0			14.0	1	14.0							
143+48	R2-1	24 x 30	1	5.0									13.5	1	13.5							
143+65											1	1										
144+10	R1-1							36 x 36	1	9.0			14.0	1	14.0							
TOTAL				111.75						262.25	13	13			732							

SIGN GENERAL NOTES

1. ALL HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.

2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS.

3. ALL HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 ft. ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY, UNLESS SPECIFIED OTHERWISE IN THE PLANS.

4a. HORIZONTAL CLEARANCE FOR HIGHWAY SIGNS ON INTERSTATE HIGHWAYS SHALL BE 32 ft FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGNS(S), UNLESS SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON RAMPS SHALL BE 2 ft. FROM THE NORMAL EDGE OF PAVED SHOULDER, OR EDGE OF GRADED SHOULDER WHEN PRESENT.

4b. HORIZONTAL CLEARANCE FOR HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 ft. FROM THE EDGE OF THE PAVED SHOULDER OR 12 ft. FROM THE NORMAL EDGE OF PAVEMENT TO THE NEAREER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 ft. FROM THE CURB FACE TO THE NEAREER EDGE OF THE SIGN(S).

4c. HORIZONTAL CLEARANCE FOR HIGHWAY SIGNS MOUNTED BEHIND GUARD RAIL SHALL BE 6 ft. FROM THE FACE OF THE GUARD RAIL TO THE NEAREER EDGE OF THE SIGN(S).

5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 47 in. IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH, 2 in. X ¼ in. X (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE ¾ mm DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.

6. EACH 42 in. OR 48 in. WIDE X 18 in. OR 24 in. HIGH SIGN REQUIRES ONE 2 in. X ¼ in. X (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.

7. TYPE 8 POST SHALL BE INSTALLED WITH A BREAK AWAY FOOTING. SEE DETAIL FOR ADDITIONAL INFORMATION ON BREAK AWAY FOOTING DESIGN.

8. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS, REFER TO SIGN ASSEMBLY TYPICAL FRAMING DETAILS.

9. TYPE III (ENCAPSULATED LENS) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS UNLESS SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS I OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.

10. TYPE IX (HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3a, R1-4a, R5-1 AND R5-1a).

11. TYPE IX (HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL W-SERIES SIGNS.

12. TYPE IX (HIGH INTENSITY) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS, BICYCLE CROSSING (W11-1) SIGNS, AND PEDESTRIAN CROSSING (W11-2 AND W11A-2) SIGNS. SIGNS WITHIN THE SAME ASSEMBLY AS THE SCHOOL ZONE SIGNS SPECIFICALLY LISTED ABOVE AND ALL REGULATORY SIGNS PLACED AS PART OF THE SCHOOL ZONE SIGNING SHALL HAVE TYPE IX (HIGH INTENSITY) REFLECTIVE SHEETING BACKGROUNDS OF THE APPROPRIATE COLOR.

13. A ¼ in. MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.

14. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL ¾ in. DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.

15. INTERSTATE SHIELDS SHALL CONTAIN THE WORD GEORGIA. ALL INTERSTATE, U.S., AND GEORGIA SHIELDS REQUIRING ALT. BUS, CONN. LOOP, OR SPUR SHALL USE 4 in. SERIES "D" LETTERS. REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, FOR DETAILS.

16. FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.

17. REFER TO PLAN SHEETS FOR LOCATION OF THE DISTRICT ENGINEERS' OFFICE TO BE SHOWN ON ALL R552-1 (LIMITED ACCESS) SIGNS IN THIS PROJECT, IF ANY.

18. CONTRACTOR WILL, AS REQUESTED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

SUMMARY OF QUANTITIES - OVERHEAD WIRE SPAN

LOCATION (STATION)	SPAN WIDTH	LANE	SIGNS-TYPE I MAT'L TYPE III REFLECTIVE SHEETING CODE	SIZE	QUAN.	FT²	GALV. SEIMANS-MARTIN GUY STRAND MESSENGER CABLE ⅜IN DIA. CABLE (m)	STRAIN POLES (CONCRETE OR STEEL) EACH TYPE I	TYPE II	TYPE IV
109+30	100	℄	R3-9	36" x 48"	1	12	210			2
			R3-9E	36" x 48"	1	12				
			R3-5	30" x 36"	1	7.5				
126+00	100	℄	R3-9B	36" x 48"	2	24	190			2
142+73	100	℄	R3-9	36" x 48"	1	12	210			2
			R3-9E	36" x 48"	1	12				
			R3-5	30" x 36"	1	7.5				
TOTAL						87	610			6

PERMANENT STRIPING AND PAVEMENT MARKINGS

LOCATION	TRAFFIC STRIPE: THERMO. SOLID TRAF. STRIPE, 5 IN, WHITE	THERMO. SOLID TRAF. STRIPE, 5 IN, YELLOW	THERMO SOLID TRAF. STRIPE, 8 IN, WHITE	THERMO SOLID TRAF. STRIPE, 24 IN, WHITE	THERMO. TRAF. STRIPING, WHITE	THERMO. TRAF. STRIPING, YELLOW	THERMO. SKIP TRAF. STRIPE 5 IN, WHITE	SOLID TRAF. STRIPE, 5 IN, WHITE	SOLID TRAF. STRIPE, 5 IN, YELLOW	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	SOLID TRAF. STRIPE, 24 IN, WHITE	TRAF. STRIPING, WHITE	TRAF. STRIPING, YELLOW	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	WORD: THERMO PVMT MARKING WORD, TP 2	ARROWS: PVMT MARKING ARROW, TP 2	ARROWS: THERMO PVMT MARKING ARROW, TP 2	MARKERS: RAISED PAV'T MARKERS, TP 1	MARKERS: RAISED PAV'T MARKERS, TP 3
	LF	LF	LF	LF	S.Y.	S.Y.	GLF	LF	LF	LF	LF	S.Y.	S.Y.	LF	EACH	EACH	EACH	EACH	EACH
SR 23/121	7360	5940	6620	375	2635	725				7270				5760	4		51	190	170
TOTAL	7360	5940	6620	375	2635	725				7270				5760	4		51	190	140

GENERAL NOTES:
1. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE CURRENT EDITION OF THE MUTCD. ALL SUPPLEMENTS THERETO, AND/OR PLAN DETAILS.
2. NO SEPARATE PAVEMENT SHALL BE MADE FOR REMOVAL OF PAVEMENT MARKINGS. THESE COSTS SHALL BE INCLUDED IN OVERALL PRICE BID FOR PROJECT.

URS
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GRESHAM SMITH AND PARTNERS

REVISION DATES
12/7/10

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC OPERATIONS

QUANTITY SUMMARY SHEET

SR 23/121 FROM I-16 TO LYTELL STREET

DRAWING NO. 6-004

COUNTY CANDLER

PROJECT NUMBER CSSTP-0007-00(143)

SHEET NO. 11

TOTAL SHEETS 213