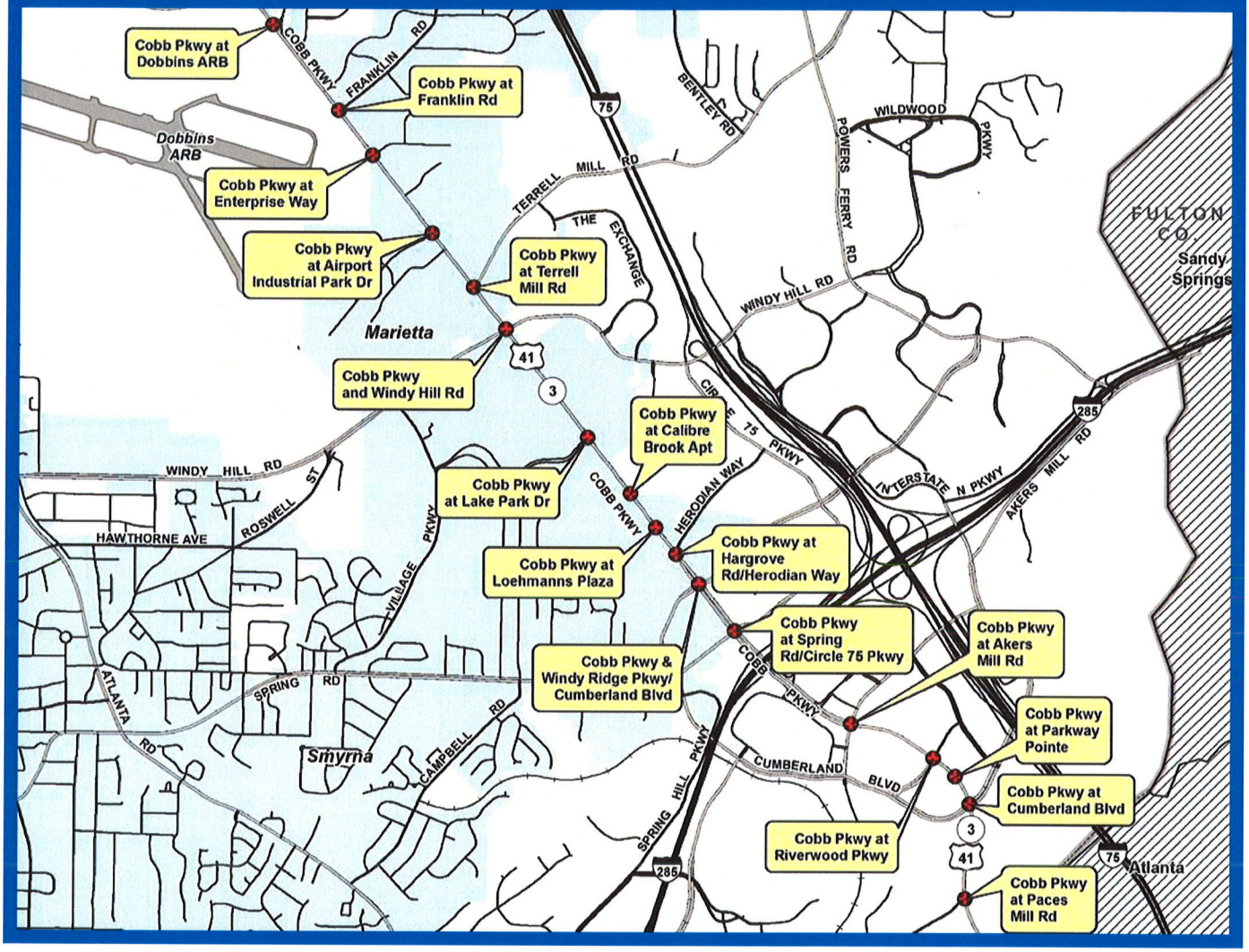
Smart Corridor Project:
US 41/Cobb Parkway/ Northside Parkway



In Partnership with:

Cobb County...Expect the Best!

Atlanta Smart Corridor Plan
US 41/Cobb Parkway/Northside Parkway

INDEX

- Project Summary
- Fact Sheet
- Location Map
- Engineering Plans

ATLANTA SMART CORRIDOR PROJECT SUMMARY

The Georgia Regional Transportation Authority (GRTA) is managing the Atlanta Smart Corridor Project (GDOT's project number: PI 0005768) which is an innovative approach to managing traffic and transit operations in the US 41/Cobb Parkway/Northside Parkway corridor from Howell Mill Road in the City of Atlanta to South Marietta Parkway in the City of Marietta.

The technologies to be implemented along the corridor are SCATS (Sydney Coordinated Adaptive Traffic System) adaptive traffic signal control, transit signal priority and presence detection. Adaptive traffic signal control is "smart" signal control that uses real time vehicle counts obtained from sensors (e.g., loop detectors or video detection cameras) at the system intersections to determine the most appropriate cycle time and optimized splits for every approach at all of the intersections within the system. The transit signal priority technology will provide an effective means of achieving a short-term, low-cost improvement in bus operations within the Atlanta Smart Corridor. Transit signal priority can be achieved through one of three methods—green extension, early green, or no action.

The major stakeholders in this project are the Georgia Department of Transportation (GDOT), GRTA, City of Atlanta, City of Marietta and Cobb County.

The design of these elements as well as the procurement and installation of SCATS adaptive control is provided by the Atlanta Smart Corridor Project sponsored through a federal grant obtained by GRTA.

The procurement and installation of transit signal priority, presence detection, and intersection upgrades will be provided by another project sponsored by GDOT - Traffic Signal Upgrades within GRTA Smart Corridor, with GDOT's project number PI 0007242. An award was made on March 21, 2008 to R. J. Haynie & Associates, Inc.

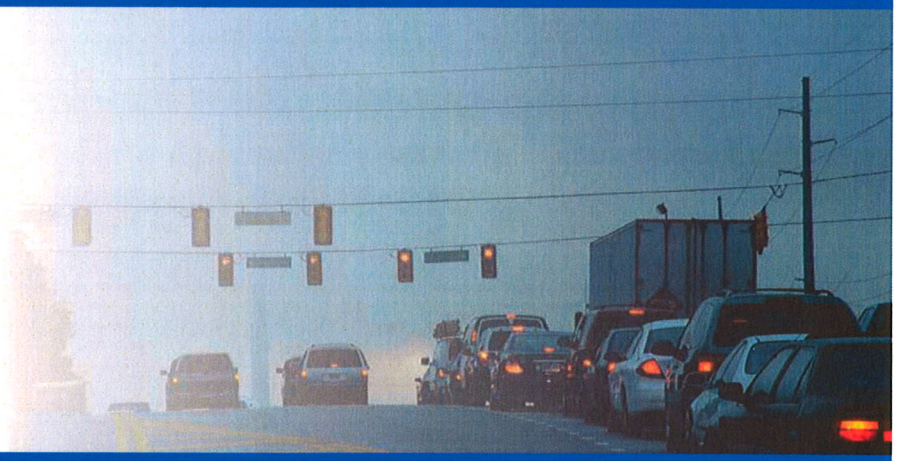
Cobb County Department of Transportation - Project Fact Sheet

Department of Transportation
1890 County Services Parkway
Marietta, Georgia 30008-4014

phone: 770-528-1600

email: cobbdot@cobbcounty.org

website: www.cobbdot.org



Smart Corridor Project

PROJECT BENEFITS

- Adaptability of signals to changing traffic patterns
- Cross-jurisdictional traffic signal coordination
- Improved pedestrian safety
- Improved transit schedule adherence and reliability
- Reduced travel time for buses and passengers

PROJECT SCHEDULE

- Begins Summer 2008; expected completion is December 2009
- Additional information on the Smart Corridor project can be found on the Cobb County Department of Transportation's website at: www.cobbdot.org.

Cobb County will be partnering with Georgia Regional Transportation Authority (GRTA), Georgia Department of Transportation (GDOT), Fulton County and the cities of Atlanta, Marietta and Smyrna on the "Smart Corridor" Project.

Key components of this innovative project are traffic signal system upgrades and cross-jurisdictional traffic signal coordination. The project area extends from Howell Mill Road in the City of Atlanta to South Marietta Parkway in the City of Marietta along the US 41/Cobb Parkway/Northside Parkway corridor.

A total of 29 intersections are included in the project limits; many of which will be equipped with SCATS* adaptive traffic signal installation system. Eleven intersections in Cobb County will receive transit priority emitters to improve Cobb Community Transit bus movement through this corridor in addition to pedestrian safety upgrades and recalibration of video detection cameras.

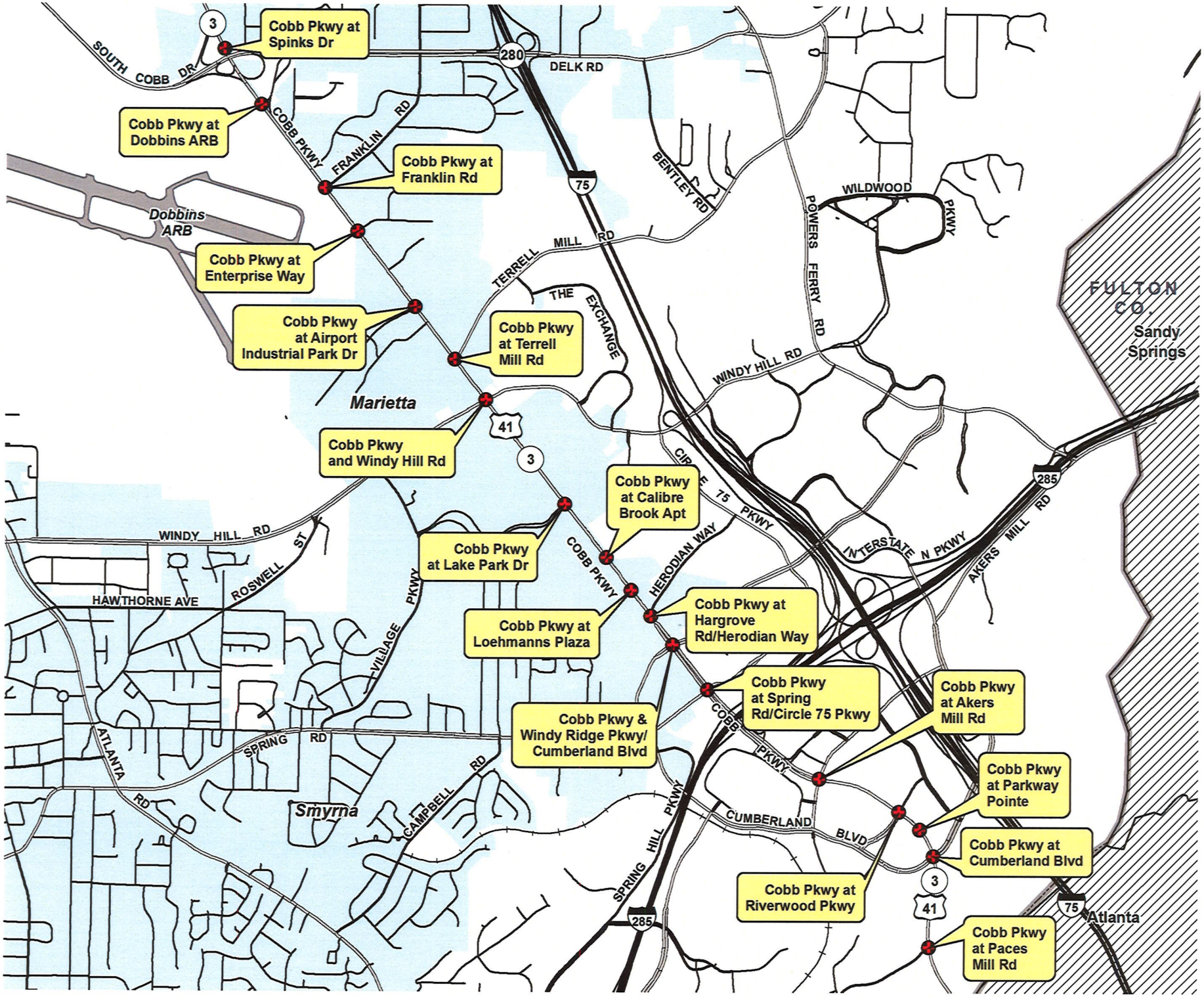
A first in the region, this project will use Cobb County's Traffic Control Center as the main server to centralize traffic signal coordination for the entire corridor.

Cobb County...Expect the Best!

**SCATS, an acronym for Sydney Coordinated Adaptive Traffic System, is an adaptive traffic signal control system originally developed in the early 1970s for Sydney, Australia by the Roads and Transport Authority of New South Wales. Cobb County Department of Transportation recently implemented Georgia's first SCATS adaptive traffic signal control system in the Cumberland CID area.*

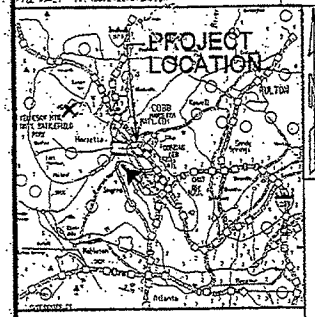
Project map of Cobb County locations is on reverse

aeg June 2008


Cobb Pkwy at Spinks Dr
Cobb Pkwy at Dobbins ARB
Cobb Pkwy at Franklin Rd
Cobb Pkwy at Enterprise Way
Cobb Pkwy at Airport Industrial Park Dr
Cobb Pkwy at Terrell Mill Rd
Cobb Pkwy and Windy Hill Rd
Cobb Pkwy at Lake Park Dr
Cobb Pkwy at Calibre Brook Apt
Cobb Pkwy at Loehmanns Plaza
Cobb Pkwy at Hargrove Rd/Herodian Way
Cobb Pkwy at Spring Rd/Circle 75 Pkwy
Cobb Pkwy & Windy Ridge Pkwy/ Cumberland Blvd
Cobb Pkwy at Akers Mill Rd
Cobb Pkwy at Parkway Pointe
Cobb Pkwy at Cumberland Blvd
Cobb Pkwy at Riverwood Pkwy
Cobb Pkwy at Paces Mill Rd
SOUTH COBB DR
COBB PKWY
FRANKLIN RD
DELK RD
BENTLEY RD
WILDWOOD PKWY
POWERS FERRY RD
TERRELL MILL RD
THE EXCHANGE
WINDY HILL RD
Dobbins ARB
Marietta
FULTON CO.
Sandy Springs
WINDY HILL RD
ROSWELL ST
HAWTHORNE AVE
VILLAGE PKWY
CIRCLE 75 PKWY
HERODIAN WAY
INTERSTATE N PKWY
AKERS MILL RD
ATLANTA RD
SPRING RD
Smyrna
CAMPBELL RD
SPRING HILL PKWY
CUMBERLAND BLVD
Atlanta
3
280
75
285
41

* COBB COUNTY SIGNALS

COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
COBB/FULTON	CSSTP-0007-00(242)	1	118



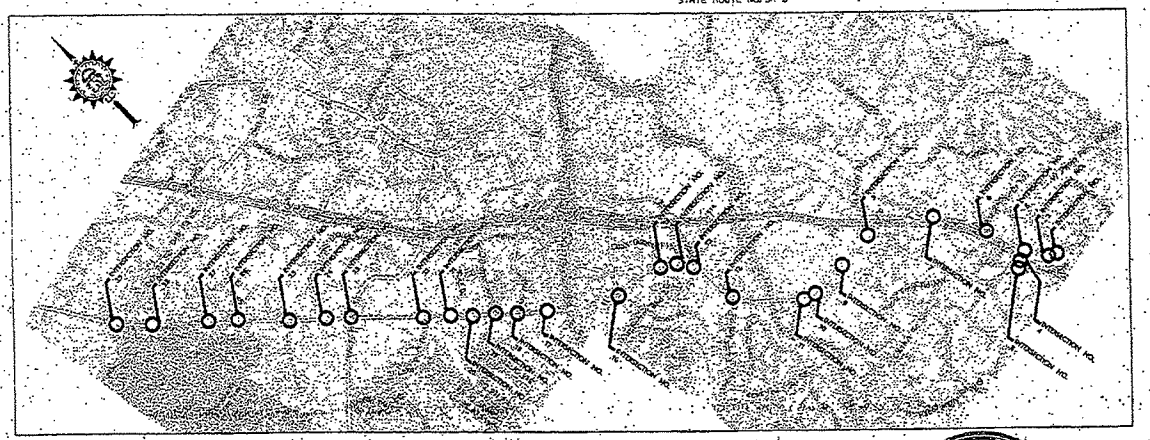
LOCATION SKETCH

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

TRAFFIC SIGNALS UPGRADES WITHIN GRTA SMART CORRIDOR COBB/FULTON COUNTIES

FEDERAL AID PROJECT

Georgia D.O.T. P.I. No. 0007242
FEDERAL ROUTE No. US 41
STATE ROUTE No. SR 3



FULTON COUNTY INTERSECTION LIST

INT. NO.	LOCATION
1	W. PACES FERRY RD. AT PACES FERRY RD.
2	W. PACES FERRY RD. AT I-75 SB OFF RAMP
3	NORTHSIDE PKWY. AT HOWELL MILL RD.
4	NORTHSIDE PKWY. AT I-75 NB RAMPS
5	NORTHSIDE PKWY. AT W. PACES FERRY RD.
6	NORTHSIDE PKWY. AT BEECHWOOD DRIVE (CHURCH)
7	NORTHSIDE PKWY. AT NORTHCREEK BUSINESS PARK
8	NORTHSIDE PKWY. AT MOUNT PARAN RD.
9	NORTHSIDE PKWY. AT IBM PARKWAY
10	NORTHSIDE PKWY. AT RIVER GREEN DRIVE/IBM DRVWY
11	NORTHSIDE PKWY. AT NORTHGATE DR

COBB COUNTY INTERSECTION LIST

INT. NO.	LOCATION
12	COBB PKWY. AT PACES MILL RD
13	COBB PKWY AT CUMBERLAND BLVD
14	COBB PKWY AT PARKWAY POINTE
15	COBB PKWY AT RIVERWOOD PKWY
16	COBB PKWY AT AKERS MILL RD
17	COBB PKWY AT SPRING RD/CIRCLE 75 PKWY
18	COBB PKWY AT WINDY RIDGE PKWY/CUMBERLAND BLVD
19	COBB PKWY AT HARGROVE RD/HERODIAN WAY
20	COBB PKWY AT LOEHMANS PLAZA
21	COBB PKWY AT CALIBRE BROOK (KENWOOD CREEK/APTS)
22	COBB PKWY AT LAKE PARK DR
23	COBB PKWY AT WINDY HILL RD
24	COBB PKWY AT TERRELL MILL RD
25	COBB PKWY AT AIRPORT INDUSTRIAL PARK DR
26	COBB PKWY AT ENTERPRISE WAY
27	COBB PKWY AT FRANKLIN RD
28	COBB PKWY AT ATLANTIC AVE/MIMOSA DR (DOBBINS ARB)
29	COBB PKWY AT SPINKS DR

THIS PROJECT IS LOCATED 25% IN FULTON COUNTY
AND 75% IN COBB COUNTY
AND CONGRESSIONAL DISTRICT 5 = 46%
AND CONGRESSIONAL DISTRICT 6 = 24%
AND CONGRESSIONAL DISTRICT 11 = 30%
PROJECT DESIGNATION : EXEMPT
PDP CLASSIFICATION : MINOR
FUNCTIONAL CLASSIFICATION : URBAN ARTERIAL

NOTE:
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", "GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA MEAN, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF THE BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

GEORGIA REGISTERED No. PE020345 PROFESSIONAL ENGINEER STEPHANIE A. STEVENS

GEORGIA REGISTERED No. 22535 PROFESSIONAL ENGINEER TODD DEVOS

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Carter=Burgess
Atlanta, GA

PLANS PREPARED BY

1-15-08		STATE TRAFFIC SAFETY & DESIGN ENGINEER
1-15-08		CHIEF ENGINEER
LOCATION AND DESIGN APPROVAL DATE	JANUARY 31, 2008	
PLANS COMPLETED DATE		

REVISION DATES:

01-04-08						

TOP: mnash	DATE/TIME: 1/7/2008	PLOTDRV: $PLOTTER$	COLORTABLE: $COLORTABLE$	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
NAME: $FILEADDREV$	FILEPATH: C:\Documents and Settings\mnash\My Documents\PS&E Submittal\CAD Files\Cert			COBB/FULTON	CSSTP-0007-0012421	3	118

DATE	SHEET NO.	REVISION
01-04-08	1	REVISED COVER SHEET. ADDED REVISION DATE 01/04/08
01-04-08	2	REVISED INDEX SHEET. ADDED REVISION CHANGED PAY-ITEM 681-5113 TO PAY-ITEM 681-5112
01-04-08	3	REVISED REVISION SHEET. ADDED REVISED DESCRIPTION
01-04-08	6	REVISED DETAIL ESTIMATE SHEET. ADDED PAY-ITEM 681-5112 LUMINAIRE BRACKET ARM, 10 FT ARM
01-04-08	8	REVISED SUMMARY QUANTITY SHEET. CHANGED LUMINAIRE BRACKET ARM, 20 FT ARM TO LUMINAIRE BRACKET ARM, 10 FT ARM

DATE	SHEET NO.	REVISION

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SCALE: N.T.S.

REVISION DATES		
01-04-08		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN
REVISION SUMMARY

DRAWING No. 3-01

$USER$	DATE/TIME: $DATE$ $TIME$	PLOTDRV: $PLOTTER$	COLORTABLE: $COLORTABLE$	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
$FILEABBREV$	FILEPATH: $FILE$	WORKSPACE: $PROJECT DESCRIPTION$		COBB/FULTON	CSSTP-0007-00(242)	2	118

SHEET NO.	DESCRIPTION
	INDEX
1	Cover
2	Index
3	Revision Summary
4	General Notes
5	Summary Quantities (Fulton)
6-7	Summary Quantities (Cobb)
8	Detailed Estimate
9	Legend
10-31	Fulton County Signal Plans
32	Fulton County Communication Cover
33-44	Fulton County Communication Plans
45	Conduit Entrance Detail (Fulton Signals)
46-81	Cobb County Signal Plans
	Cobb Details
82	Hub "M" System Block Diagram
83	Hub "M" Equipment Rack Detail
84	Hub "A" System Block Diagram
85	City of Marietta TCC System Block Diagram
86	Cobb TCC System Block Diagram

SHEET NO.	DESCRIPTION
	CONSTRUCTION DETAILS
87	A2 - CONCRETE VALLEY GUTTER AT STREET INTERSECTION (2-03)
88	A3 - SPECIAL DETAILS CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS (5-06)
89	A4 - DETECTABLE WARNING SURFACE, TRUNCATED DOME SIZE, SPACING, AND ALIGNMENT REQUIREMENTS (10-06)
90	D24(A)- TEMP. SILT FENCES, BAILED STRAW EROSION CHECK, BRUSH BARRIER DETAILS (9-01)
91	D24(B)- TYPICAL LOCATION DETAILS FOR SILT FENCES / BAILED STRAW (10-02)
92	T-1 - SIGN PLATES (1-00)
93	T-3A - TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL (7-02)
94	T-11A - DETAILS OF PAVEMENT MARKING PLACEMENT NON-LIMITED ACCESS ROADWAY(1-00)
95	T12A - DETAILS OF PAVEMENT MARKING ARROW LOCATION (1-00)
96	T12B - DETAILS OF PAVEMENT MARKING ARROWS (4-00)
97	T13A - DETAILS OF PAVEMENT MARKING WORDS 1 OF 2 (1-00)
98	T13B - DETAILS OF PAVEMENT MARKING WORDS 2 OF 2 (1-00)
99	T13C - DETAILS OF PAVEMENT MARKING WORDS PLACEMENT (1-00)
100	T14 - DETAILS OF PAVEMENT MARKING HATCHING (1-00)
101	TS01 - LOOP DETECTOR INSTALLATION DETAIL (1-04)
102	TS02 - PULLBOX ASSEMBLY AND INSTALLATION (8-06)
103	TS03A - DETAILS OF PEDESTRIAN FACILITIES (3-07)
104	TS03B - DETAILS OF CONTROLLER CABINET EQUIPMENT (3-07)
105	TS04 - DETAILS OF METAL TRAFFIC SIGNAL SUPPORT STRUCTURES (12-98)
106	TS07 - GROUNDING DETAILS FOR OVERHEAD SPAN WIRE SIGNS AND TRAFFIC SIGNALS (12-98)
107	TS08 - UTILITY CLEARANCE DETAILS (6-00)
108	TS10 - FIBER OPTIC DETAILS 1 OF 2 (12-01)
109	TS11 - FIBER OPTIC DETAILS 2 OF 2 (12-01)
110	VD1 - IVDS DETAILS COAX TERMINATION PANEL
111	VD2 - IVDS DETAILS BLOCK DIAGRAM/POWER TERM PANEL
112	VD3 - IVDS DETAILS VIDEO CAMERA SENSOR MOUNTING/JUNCTION BOX
	GEORGIA STANDARDS
113	GA. STD. 1401 - PAVEMENT PATCHING DETAILS (8-99)
114	GA. STD. 9032B - CONCRETE CURB & GUTTER, CONCRETE CURBS, CONCRETE MEDIANS (3-03)
115	GA. STD. 9100 - TRAFFIC CONTROL GENERAL NOTES, STD LEGENDS, MISC. DETAILS (3-06)
116	GA. STD. 9102 - TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE HIGHWAY (3-06)
117	GA. STD. 9106 - TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON MULTI-LANE DIVIDED HIGHWAY (3-06)
118	GA. STD. 9107 - TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON MULTI-LANE UNDIVIDED HIGHWAY(3-06)

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SCALE: N.T.S.

REVISION DATES

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DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

INDEX

DRAWING No. 2-01

			COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			COBB/FULTON	CSSTP-0007-00(242)	4	118

TRAFFIC SIGNAL GENERAL NOTES

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION.
2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES.
3. SHIELDED CABLE SHALL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET.
4. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES PRIOR TO ORDERING POLES. AT THE DISCRETION OF THE ENGINEER MINOR SHIFTS IN LOCATION OF NEW SIGNAL POLES ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS.
5. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATIONS(S) REQUIRED BY THE PROJECT ENGINEER DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
7. INSTALLATION MUST BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE.
8. EXISTING EQUIPMENT REMOVED FROM COBB COUNTY PROJECT INTERSECTIONS SHALL BE DELIVERED BY THE CONTRACTOR TO THE COBB COUNTY DEPARTMENT OF TRANSPORTATION, 1890 COUNTY SERVICES PARKWAY, MARIETTA, GEORGIA 30008. THE CONTRACTOR SHALL PROVIDE AN INVENTORY LIST OF RETURNED EQUIPMENT AND ARRANGE A MUTUALLY AGREEABLE DELIVERY TIME WITH THE COBB WAREHOUSE TECHNICIAN (770) 528-1600 TWENTY-FOUR (24) HOURS IN ADVANCE. REMOVAL OF EXISTING ITEMS SHALL BE INCLUDED IN THE OVERALL BID COST.

EXISTING EQUIPMENT REMOVED FROM CITY OF MARIETTA PROJECT INTERSECTIONS SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY OF MARIETTA, 725 NORTH MARIETTA PARKWAY, MARIETTA, GEORGIA 30060. THE CONTRACTOR SHALL PROVIDE AN INVENTORY LIST OF RETURNED EQUIPMENT AND ARRANGE A MUTUALLY AGREEABLE DELIVERY TIME WITH THE MARIETTA WAREHOUSE TECHNICIAN (770) 794-5677 TWENTY-FOUR (24) HOURS IN ADVANCE. REMOVAL OF EXISTING ITEMS SHALL BE INCLUDED IN THE OVERALL BID COST.

EXISTING EQUIPMENT REMOVED FROM FULTON COUNTY PROJECT INTERSECTIONS SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY OF ATLANTA, 68 MITCHELL STREET, SW SUITE 4900 CITY HALL SOUTH, ATLANTA, GEORGIA 30303-3531. THE CONTRACTOR SHALL PROVIDE AN INVENTORY LIST OF RETURNED EQUIPMENT AND ARRANGE A MUTUALLY AGREEABLE DELIVERY TIME WITH THE ATLANTA WAREHOUSE TECHNICIAN (404) 330-6501 TWENTY-FOUR (24) HOURS IN ADVANCE. REMOVAL OF EXISTING ITEMS SHALL BE INCLUDED IN THE OVERALL BID COST.

9. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.
10. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE DOT SPECIFICATION.
11. ALL EXISTING STOP BARS AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE IN ACCORDANCE WITH CURRENT DOT STANDARDS.
12. PROPOSED SIGNAL SUPPORT WIRE ATTACHMENT HEIGHTS ON POLES ARE PROVIDED AS GENERAL GUIDELINES TO CONTRACTOR, ACTUAL ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY CONTRACTOR TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.
13. SAWCUTS AND REMOVAL OF ALL CONCRETE ASSOCIATED WITH CURB CUT RAMPS SHALL BE INCLUDED IN THE SIDEWALK PAY ITEM.
14. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE DEPARTMENT, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED, AS A RESULT OF CONTRACTOR'S ACTIVITIES.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MEASURES TO ENSURE COMPLIANCE TO ALL STATE AND FEDERAL LAWS AND GUIDELINES. THE COST SHALL BE CONSIDERED INCIDENTAL AND BE INCLUDED IN THE OVERALL BID PRICE. NO ADDITIONAL PAYMENTS SHALL BE MADE TO THE CONTRACTOR FOR EROSION CONTROL.
16. ANY TRAFFIC MARKING, SYMBOLS OR STRIPING TO BE REMOVED SHALL BE PAID FOR IN THE TRAFFIC CONTROL SIGNAL LUMP SUM ITEM.
17. NOTICE OF INTENT (NOI) IS NOT REQUIRED FOR THIS PROJECT.
18. ALL NEW CONCRETE ISLANDS THAT HAVE "CUT THROUGH" PEDESTRIAN ACCESS SHALL BE DOWELED INTO THE EXISTING PAVEMENT, AS DIRECTED BY THE ENGINEER.
19. THE CONTRACTOR SHALL DELIVER THE FIVE 2070 CONTROLLERS PROCURED AS PART OF THE PROJECT TO TRANSCORE. THE CONTRACTOR SHALL ARRANGE DELIVERY BY CALLING (770) 246-6217 TWENTY-FOUR (24) HOURS IN ADVANCE. TRANSCORE WILL BE RESPONSIBLE FOR LOADING SCATS ON THE CONTROLLERS AND INSTALLING THEM AT THE PROJECT INTERSECTIONS. THE COST FOR THE FIVE 2070 CONTROLLERS SHALL BE INCLUDED IN THE OVERALL COST OF THE PROJECT.
20. AT THE END OF THE PROJECT, TRANSCORE SHALL DELIVER ALL UNUSED CONTROLLERS TO THE GDOT TRAFFIC SIGNALS AND ELECTRICAL FACILITIES BUILDING AT 935 EAST CONFEDERATE AVENUE, BUILDING 5, ATLANTA, GEORGIA, 30316 AT NO ADDITIONAL COST TO THE DEPARTMENT. TRANSCORE SHALL CALL THE TRAFFIC SIGNAL MAINTENANCE ENGINEER AT (404) 635-8900 AT LEAST 72 HOURS IN ADVANCE TO ARRANGE DELIVERY OF THESE COMPONENTS.
21. NEW DETECTABLE WARNING SURFACES INSTALLED ON EXISTING WHEELCHAIR RAMPS SHALL BE PAID FOR AS PART OF THE TRAFFIC SIGNAL LUMP SUM.

UTILITY OWNER	SERVICE	CONTACT NAME	ADDRESS / NUMBERS
GEORGIA POWER COMPANY	POWER	MR. JOHN CLARK, P.E.	BIN 20020 241 RALPH McGILL BLVD., NE ATLANTA, GA 30308-3374
SAWNEE E.M.C.	POWER	MR. JAY HELMS	543 ATLANTA ROAD P.O. BOX 266 CUMMING, GA 30130
COBB E.M.C.	POWER	MR. JACK SHULER	1000 E.M.C. PARKWAY, BLDG 4 MARIETTA, GA 30060
ATLANTA GAS LIGHT RESOURCES	GAS / POWER	MR. JASON BROWN	10 PEACHTREE PLACE ATLANTA, GA 30309
FULTON COUNTY PUBLIC WORKS		MR. ABUL HOWLADER, P.E.	141 PRYOR STREET, S.W. SUITE 6001 ATLANTA, GA 30303
CITY OF ATLANTA DEPT. OF WATER	WATER	MR. LANCELOT CLARK, P.E.	68 MITCHELL STREET, S.W. ATLANTA, GA 30335-0330
COBB COUNTY WATER SYSTEM	WATER	MR. RUSSELL COOKE, P.E.	660 SOUTH COBB DR. SE MARIETTA, GA 30060-3105
COBB MARIETTA WATER ATHORITY	WATER	MR. KEN JANNEY	1660 BARNES MILL ROAD MARIETTA, GA 30062
BELLSOUTH	COMMUNICATION	MR. JOE DEGROW	400 CHASTAIN CTR. BLVD. SUITE 490 KENNESAW, GA 30144
AT&T COMMUNICATIONS	COMMUNICATION	MR. GENE GEREN	360 GEES MILL BUS. PKWY. CONYERS, GA 30013
COMCAST, INC.	COMMUNICATION	MR. JOEY BROWN	2925 COURTYARDS DRIVE NORCROSS, GA 30071

811 Know what's below Call before you dig

GENERAL NOTES FOR SIGNING

1. ALL STANDARD 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 PROVISION.
2. SIGN ERECTION LOCATIONS 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 STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT THE HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.
4. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTION SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).
5. TYPE III (ENCAPSULATED LENS) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.
6. TYPE IX (WIDE ANGLE PRISMATIC) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3A, R1-4A, R5-1), WARNING SIGNS AND OVERHEAD SIGNS.

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STATE OF GEORGIA
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GENERAL NOTES

DRAWING NO. 4-01

COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
COBB/FULTON	CSSTP-0007-00(242)	5	118

LOCATION	SIGNAL INSTALLATION												THERMOPLASTIC STRIPING						
	TRAFFIC SIGNAL INSTALLATION (LS) QUANTITY	RECYCLED ASPH CONC 12.5 MM SUPERPAVE (TN) QUANTITY	CONC SIDEWALK, 4 IN (SY) QUANTITY	CONC SIDEWALK, 6 IN (SY) QUANTITY	CONCRETE MEDIAN, 6 IN (SY) QUANTITY	CONCRETE CURB AND GUTTER 6 IN X 30 IN TP2 (LF) QUANTITY	DIRECTIONAL BORE 3 IN (LF) QUANTITY	RECONSTRUC MINOR DRAINAGE STRUCTURE (EA) QUANTITY	FIBER OPTIC EXTERNAL TRANSCEIVER, DROP AND REPEAT, 1300 MULTI MODE (EA) QUANTITY	CLASS B CONC BASE OR PAVEMENT WIDENING (CY) QUANTITY	INTERSECTION VIDEO DETECTION SYSTEM ASSEMBLY, TYPE A (EA) QUANTITY	INFRARED PREEMPTION SYSTEM ASSEMBLY (EA) QUANTITY	SOLID TRAFFIC STRIPE 5 IN YELLOW (LF) QUANTITY	SKIP TRAFFIC STRIPE 5 IN WHITE (2' SEG, 6' GAP) (GLF) QUANTITY	SOLID TRAFFIC STRIPE 24 IN WHITE (LF) QUANTITY	SOLID TRAFFIC STRIPE 8 IN WHITE (LF) QUANTITY	TRAFFIC STRIPING WHITE (SY) QUANTITY	PAVEMENT MARKING ARROW TYPE 2 (EA) QUANTITY	PAVEMENT MARKING ARROW TYPE 3 (EA) QUANTITY
1. W. PACES FERRY RD. AT PACES FERRY RD.	LUMP		50		61	60	60	1			1		200	80	92	785	40	8	
2. W. PACES FERRY RD. AT I-75 SOUTHBOUND RAM	LUMP		71			60									120	745		8	
3. NORTHSIDE PKWY. AT HOWELL MILL RD.	LUMP		100			80	45								120	1350		4	2
4. NORTHSIDE PKWY. AT I-75 NORTHBOUND RAMP	LUMP		81			80								120	165	1080	45	10	
5. NORTHSIDE PKWY. AT W. PACES FERRY RD.	LUMP	4	140		45	100	80			5					180	1600	70	16	
6. NORTHSIDE PKWY. AT BEECHWOOD DR.	LUMP		104	15		100	65								40	570		4	
7. NORTHSIDE PKWY. AT NORTHCREEK BUSINESS PAR	LUMP		37			60			1		1				60	545			
8. NORTHSIDE PKWY. AT MT. PARAN RD.	LUMP		200		140	110						1		120	170	1650	165	14	5
9. NORTHSIDE PKWY. AT IBM PKWY.	LUMP		45			35	45				1			120	70	870		7	
10. NORTHSIDE PKWY. AT RIVER GREEN DR.	LUMP		155			150	205				2	1			140	1400		8	
11. NORTHSIDE PKWY. AT NORTHGATE DR.	LUMP	3	100			60				5	2	1			140	1510		8	
TOTALS	LUMP	7	1083	15	246	895	500	1	1	10	6	4	200	580	1312	12055	320	87	7

	FIBER OPTIC SYSTEM									
	STEEL WIRE STRAND CABLE 1/4 IN	PULL BOX, PB 4	CONDUIT, RIGID, 2 IN	OUTSIDE PLANT FIBER OPTIC CABLE LOOSE TUBE HYBRID, 36 FIBER	OUTSIDE PLANT FIBER OPTIC CABLE DROP CABLE MULTI MODE, 6 FIBER	FIBER OPTIC CLOSURE, UNDERGROUND, 6 FIBER	FIBER OPTIC CLOSURE, AERIAL, 24 FIBER	FIBER OPTIC CLOSURE, AERIAL, 36 FIBER	FIBER OPTIC SPLICE, FUSION	FIBER OPTIC SNOWSHOE
Fulton	2230	1	40	1565	1580	1	1	3	116	8
Total	2230	1	40	1565	1580	1	1	3	116	8

TRAFFIC CONTROL CSSTP-0007-00(242)	
UNIT	QUANTITY
LS	LUMP

AGRICULTURAL LIME	
UNIT	QUANTITY
TN	3

GRADING COMPLETE CSSTP-0007-00(242)	
UNIT	QUANTITY
LS	LUMP

FIBER OPTIC TESTING CSSTP-0007-00(242)	
UNIT	QUANTITY
LS	LUMP

PERMANENT GRASSING	
UNIT	QUANTITY
AC	1

LIQUID LIME	
UNIT	QUANTITY
GL	5

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SUMMARY QUANTITIES

FULTON COUNTY WORK

DRAWING NO. 6-01

	SIGNAL INSTALLATION											
LOCATION	TRAFFIC SIGNAL INSTALLATION (LS) QUANTITY	RECYCLED ASPH CONC 12.5 MM SUPERPAVE (TN) QUANTITY	CONC SIDEWALK 4 IN (SY) QUANTITY	CONCRETE MEDIAN 6 IN (SY) QUANTITY	CONC CURB & GUTTER 6 IN x 30 IN TP 7 (LF) QUANTITY	CLASS B CONC BASE OR PAVEMENT WIDENING (CY) QUANTITY	RESET SIGN (EA) QUANTITY	DIRECTIONAL BORE - 3 IN (LF) QUANTITY	LUMINAIRE BRACKET ARM, 10 FT ARM (EA) QUANTITY	INTERSECTION VIDEO DETECTION SYSTEM ASSEMBLY, TP A (EA) QUANTITY	INFRARED PREEMPTION SYSTEM VEHICLE EMITTER (EA) QUANTITY	INFRARED PREEMPTION SYSTEM ASSEMBLY (EA) QUANTITY
12. COBB PKWY AT PACES MILL ROAD	LUMP		175							1		1
13. COBB PKWY AT CUMBERLAND BLVD	LUMP		51									1
14. COBB PKWY AT PARKWAY POINTE	LUMP		68									1
15. COBB PKWY AT RIVERWOOD PKWY	LUMP		50									1
16. COBB PKWY AT AKERS MILL RD	LUMP		60									1
17. COBB PKWY AT SPRING RD/CIRCLE 75 PKWY	LUMP		40									1
18. COBB PKWY AT WINDY RIDGE PKWY/CUMBERLAND BLVD	LUMP		92									1
19. COBB PKWY AT HARGROVE RD/HERODIAN WAY	LUMP		78				1	120				1
20. COBB PKWY AT LOEHMANS PLAZA	LUMP		58					50				1
21. COBB PKWY AT CALIBRE BROOK WAY (KENWOOD CREEK APTS)	LUMP	4	160		65	5						1
22. COBB PKWY AT LAKE PARK DR	LUMP		135						1	5		
23. COBB PKWY AT WINDY HILL RD	LUMP							100		3		
24. COBB PKWY AT TERRELL MILL RD	LUMP		30	45	100			25		4		
25. COBB PKWY AT AIRPORT INDUSTRIAL PARK DR	LUMP		125	30	75			30		3		
26. COBB PKWY AT ENTERPRISE WAY	LUMP	4	68	262	350	5				3		
27. COBB PKWY AT FRANKLIN RD	LUMP		90					30		3		
28. COBB PKWY AT ATLANTIC AVE/MIMOSA DR (DOBBINS ARB)	LUMP		138	50	110				1	3		
29. COBB PKWY AT SPINKS DR	LUMP	4	106		8	5	1				60	
CCT BUSES												
TOTALS	LUMP	12	1,524	387	708	15	2	355	2	25	60	11

PERMANENT GRASSING	
UNIT	QUANTITY
AC	1

AGRICULTURAL LIME	
UNIT	QUANTITY
TN	3

FIBEROPTIC CONVERTER	
UNIT	QUANTITY
EA	1

FIBER OPTIC EXTERNAL TRANSCEIVER, DROP & REPEAT, 1310 SM	
UNIT	QUANTITY
EA	2

LIQUID LIME	
UNIT	QUANTITY
GL	5

PROGRAMMING MONITOR, TYPE A	
UNIT	QUANTITY
EA	1

FIBER OPTIC PATCH CORD, SM	
UNIT	QUANTITY
EA	4

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SUMMARY OF QUANTITIES

COBB COUNTY WORK

DRAWING NO. 6-02

	THERMOPLASTIC STRIPING					
LOCATION	PVMT MARKING, ARROW, TYPE 2 (EA) QUANTITY	PVMT MARKING ARROW, TYPE 5 (EA) QUANTITY	TRAF STRIPE SOLID 8 IN WHITE (LF) QUANTITY	TRAF STRIPE SOLID 24 IN WHITE (LF) QUANTITY	TRAF STRIPING WHITE (SY) QUANTITY	SKIP TRAF STRIPE 5 IN WHITE (2' SEG, 6' GAP) (GLF) QUANTITY
12. COBB PKWY AT PACES MILL ROAD	1		1,185	95		
13. COBB PKWY AT CUMBERLAND BLVD						
14. COBB PKWY AT PARKWAY POINTE	1		1,330	110		
15. COBB PKWY AT RIVERWOOD PKWY			845	35		
16. COBB PKWY AT AKERS MILL RD						
17. COBB PKWY AT SPRING RD/CIRCLE 75 PKWY			495			195
18. COBB PKWY AT WINDY RIDGE PKWY/CUMBERLAND BLVD	4		2,285	100		
19. COBB PKWY AT HARGROVE RD/HERODIAN WAY	1		1,210	55		
20. COBB PKWY AT LOEHMANS PLAZA			1,145	75		
21. COBB PKWY AT CALIBRE BROOK WAY (KENWOOD CREEK APTS)			1,250	15		
22. COBB PKWY AT LAKE PARK DR	2		1,305	50		
23. COBB PKWY AT WINDY HILL RD						
24. COBB PKWY AT TERRELL MILL RD	4		645	35		
25. COBB PKWY AT AIRPORT INDUSTRIAL PARK DR	4		1,610	100		
26. COBB PKWY AT ENTERPRISE WAY			500	70	70	
27. COBB PKWY AT FRANKLIN RD	2	1	740			100
28. COBB PKWY AT ATLANTIC AVE/MIMOSA DR (DOBBINS ARB)	2		1,370	35		
29. COBB PKWY AT SPINKS DR	1		765	60		
CCT BUSES						
TOTALS	22	1	16,680	835	70	295

use Setting/Personality Documents\PSSA Specifics\CAD Files\Transfers CAD Files\Summary\N00124D0701.dgn

$PLOTTER#	$PROJECT DESCRIPTION

COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
COBB/FULTON	CSSTP-0007-00(242)	8	118

REVISION DATES
01-04-08

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

DETAILED ESTIMATE

Drawing No. 9-01

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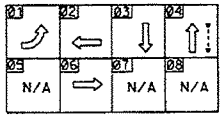
DETAILED ESTIMATE

ITEM NO.	DESCRIPTION	FULTON COUNTY		COBB COUNTY		TOTAL PROJECT	
		UNIT	QUANTITY	UNIT	QUANTITY	UNIT	TOTAL
150-1000	TRAFFIC CONTROL (CSSTP-0007-00(242))	LS		LS		LS	LUMP
210-0100	GRADING COMPLETE (CSSTP-0007-00(242))	LS		LS		LS	LUMP
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	7	TN	12	TN	19
441-0104	CONC SIDEWALK, 4 IN	SY	1083	SY	1524	SY	2607
441-0744	CONCRETE MEDIAN, 8 IN	SY	246	SY	387	SY	633
441-0106	CONC SIDEWALK, 6 IN	LF	895	LF		LF	895
441-6022	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	LF		LF	708	LF	708
441-6720	CONC CURB & GUTTER, 6 IN X 30 IN, TP 7	CY	10	CY	15	CY	25
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	EA	1	EA		EA	1
611-1001	RECONSTR MINOR DRAINAGE STR	EA		EA	2	EA	2
611-5551	REGET SIGN	EA		EA		EA	
615-1200	DIRECTIONAL BORE - 3 IN	LF	500	LF	355	LF	855
639-2001	STEEL WIRE STRAND CABLE, 1/4 INCH	LF	2230	LF		LF	2230
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 2	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 3	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 4	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 5	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 6	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 7	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 8	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 9	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 10	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 11	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 12	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 13	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 14	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 15	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 16	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 17	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 18	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 19	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 20	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 21	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 22	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 23	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 24	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 25	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 26	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 27	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 28	LS	LUMP	LS	LUMP	LS	LUMP
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 29	LS	LUMP	LS	LUMP	LS	LUMP
647-2140	PULL BOX, PB - 4	EA	1	EA	1	EA	1
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	87	EA	22	EA	109
653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EA	7	EA	1	EA	7
653-0150	THERMOPLASTIC PVMT MARKING, ARROW, TP 6	EA		EA		EA	
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	200	LF	835	LF	1035
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	1312	LF		LF	1312
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	12055	LF	16,680	LF	28,735
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	560	GLF	295	GLF	855
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SY	320	SY	70	SY	390
681-5112	LUMINAIRE BRACKET ARM, 10 FT ARM	EA		EA	2	EA	2
682-6120	CONDUIT, RIGID, 2 IN	LF	40	LF		LF	40
700-6910	PERMANENT GRASSING	AC	1	AC	1	AC	2
700-7000	AGRICULTURAL LIME	TN	3	TN	3	TN	6
700-7010	LIQUID LIME	GL	5	GL	5	GL	10
935-1134	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, HYBRID, 36 FIBER	LF	1565	LF		LF	1565
935-1621	OUTSIDE PLANT FIBER OPTIC CABLE, DROP, MULTI MODE, 6 FIBER	LF	1560	LF		LF	1560
935-3101	FIBER OPTIC CLOSURE, UNDERGROUND, 6 FIBER	EA	1	EA		EA	1
935-3203	FIBER OPTIC CLOSURE, AERIAL (SEALED), 24 FIBER	EA	3	EA		EA	3
935-3204	FIBER OPTIC CLOSURE, AERIAL (SEALED), 36 FIBER	EA	118	EA		EA	118
935-4010	FIBER OPTIC SPLICE, FUSION	EA	8	EA	4	EA	4
935-5050	FIBER OPTIC PATCH CORD, SM	EA		LS		LS	LUMP
935-5060	FIBER OPTIC SNOWSHOE	LS	6	EA	25	EA	31
935-6000	TESTING (CSSTP-0007-00(242))	EA		EA	1	EA	1
936-1100	INTERSECTION VIDEO DETECTION SYSTEM ASSEMBLY, TYPE A	EA	4	EA	11	EA	15
936-1200	PROGRAMMING MONITOR, TYPE A	EA		EA	60	EA	60
936-2000	INFRARED PREEMPTION SYSTEM ASSEMBLY	EA	1	EA		EA	1
936-2050	INFRARED PREEMPTION VEHICLE EMITTER	EA		EA	2	EA	2
939-1105	FIBEROPTIC EXTERNAL TRANSCEIVER, DROP AND REPEAT, 1300 MULTI MODE	EA		EA	1	EA	1
939-1162	FIBER OPTIC EXTERNAL TRANSCEIVER, DROP AND REPEAT, 1310 SINGLE MODE	EA		EA		EA	
939-1175	FIBER OPTIC CONVERTER	EA		EA		EA	

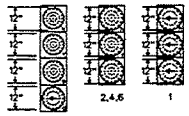
#PLOTTER#	#PROJECT DESCRIPTION#	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		COBB - FULTON	CSSTP-0007-00(242)	46	118

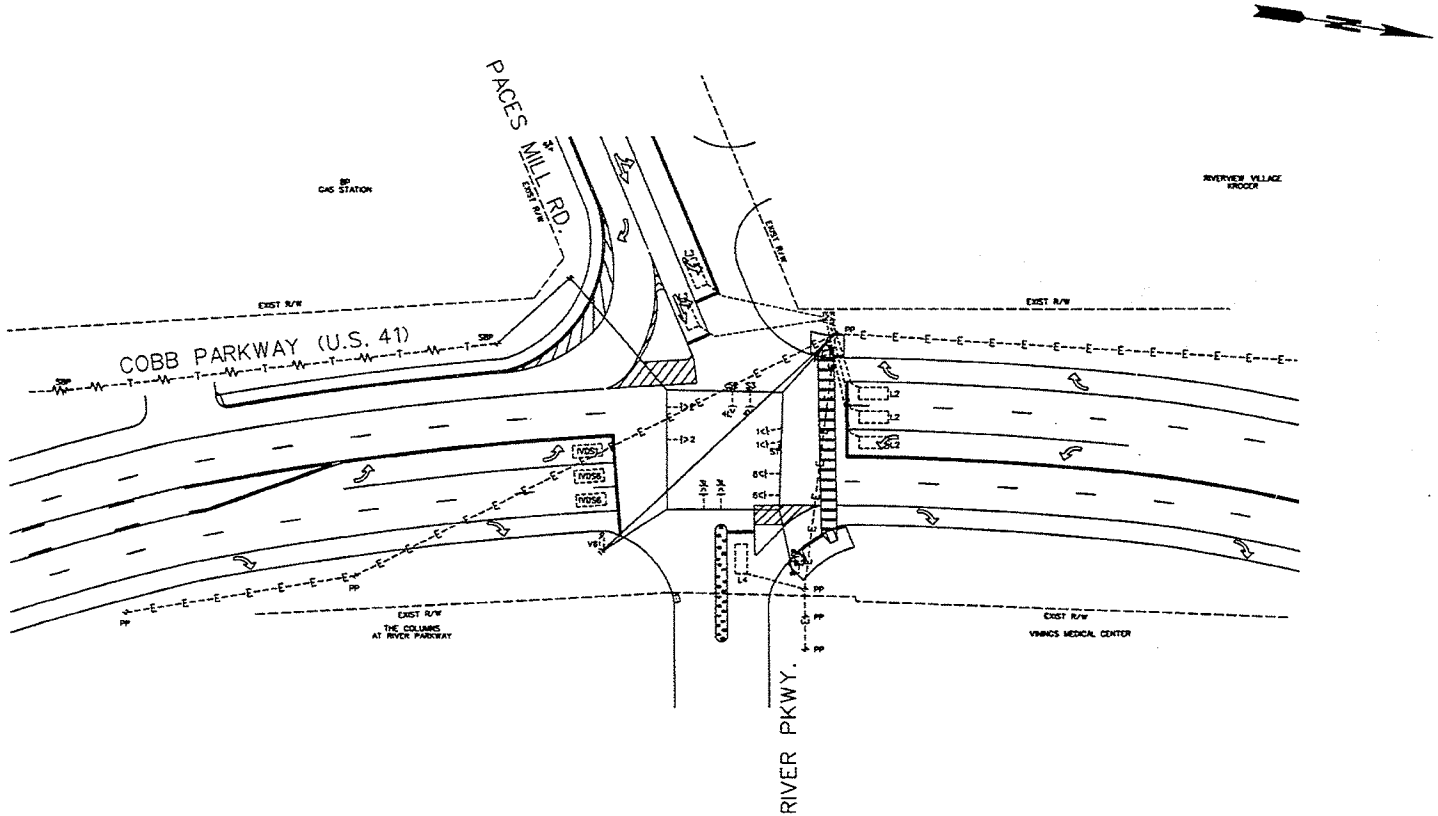
SIGNS

PHASING DIAGRAM



VEHICLE AND PEDESTRIAN SIGNALS





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COBB PKWY AND PACES MILL ROAD

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0 30 60 120

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN

TRAFFIC SIGNAL INTERSECTION 12
EXISTING CONDITIONS

DRAWING No. 27-38

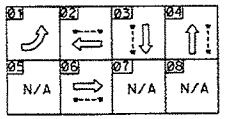
m0007(24sig38.dgn Dec 04, 2007 11:00:53

#PLOTTER#	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
#PROJECT DESCRIPTION#	COBB - FULTON	CSSTP-0007-00(242)	47	118

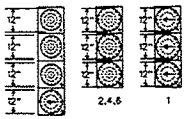
SIGNS

S1 S2 S3 S4

PHASING DIAGRAM

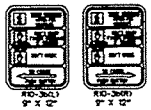


VEHICLE AND PEDESTRIAN SIGNALS



3L,4L 2,4,6 1

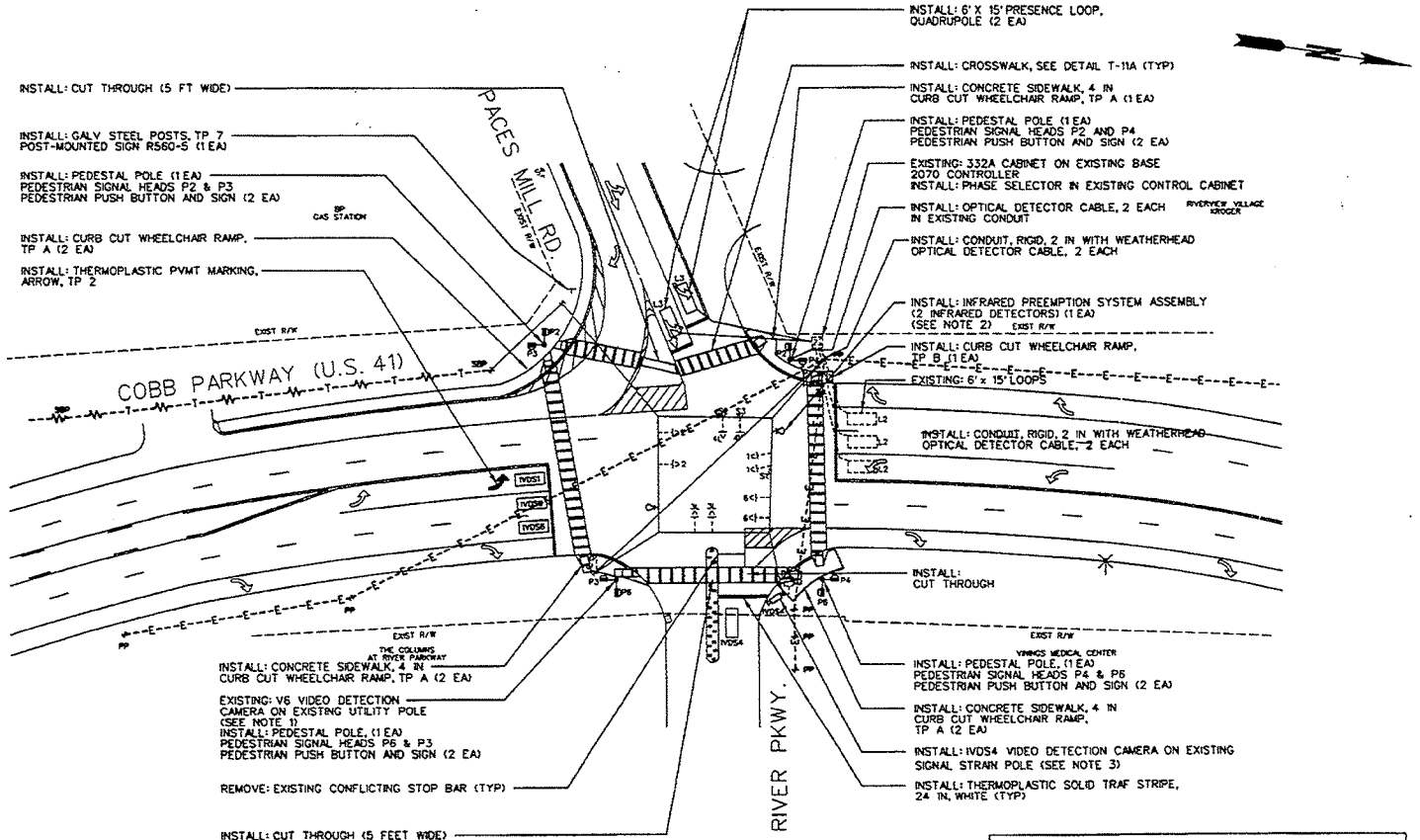
PEDESTRIAN SIGNS



R10-3b(L) 9" X 12" R10-3b(R) 9" X 12"

R560-5

P2, P3, P4, P6



NOTES:

1. THE EXISTING V6 VIDEO DETECTION CAMERA SHALL BE REAIMED AND RECALIBRATED TOWARD RELOCATED DETECTION ZONES IVDS6 & IVDS1 SHOWN IN THE PLANS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR TRAFFIC SIGNAL INSTALLATION NO. 12.
2. INSTALL INFRARED DETECTOR ON EXISTING SPAN WIRE (INSTALL REQUIRED CABLING TO CABINET AND LASH TO EXISTING CABLE SPAN).
3. CONTACT GDOT PROJECT ENGINEER 14 DAYS PRIOR TO INSTALLATION FOR POA FOR VIDEO DETECTION CAMERA IVDS4.

LIST OF MATERIALS FOR TRAFFIC INSTALLATION AT INTERSECTION NO.12

MATERIAL	UNIT	QUANT.
LOOP PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT) A, 3 PAIR, 18 AWG	RL	1
SIGNAL CABLE (14 AWG) 8, 7 CONDUCTOR, PER 1000 FT.	RL	1
LOOP DETECTOR WIRE (14 AWG, STRANDED/1000 FT)	RL	1
16 IN LED PROLATED (SMB) COUNTDOWN PEDESTRIAN SIGNAL HEADS	EA	8
PEDESTRIAN PUSH BUTTON AND SIGN	EA	8
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY	EA	4
PEDESTAL POLE 10 FT	EA	4
LOOP SAW CUT	LF	175
R560-5 WITH TP 7 POST	EA	1
MISC. MATERIALS TO COMPLETE INSTALLATION	LS	LUMP
847-1000 - TRAFFIC INSTALLATION NO.12	LS	LUMP

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COBB PKWY AND PACES MILL ROAD

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0 30 60 120

REVISION DATES

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OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN

TRAFFIC SIGNAL INTERSECTION 12
DESIGN AND INSTALLATION

DRAWING No. 27-39

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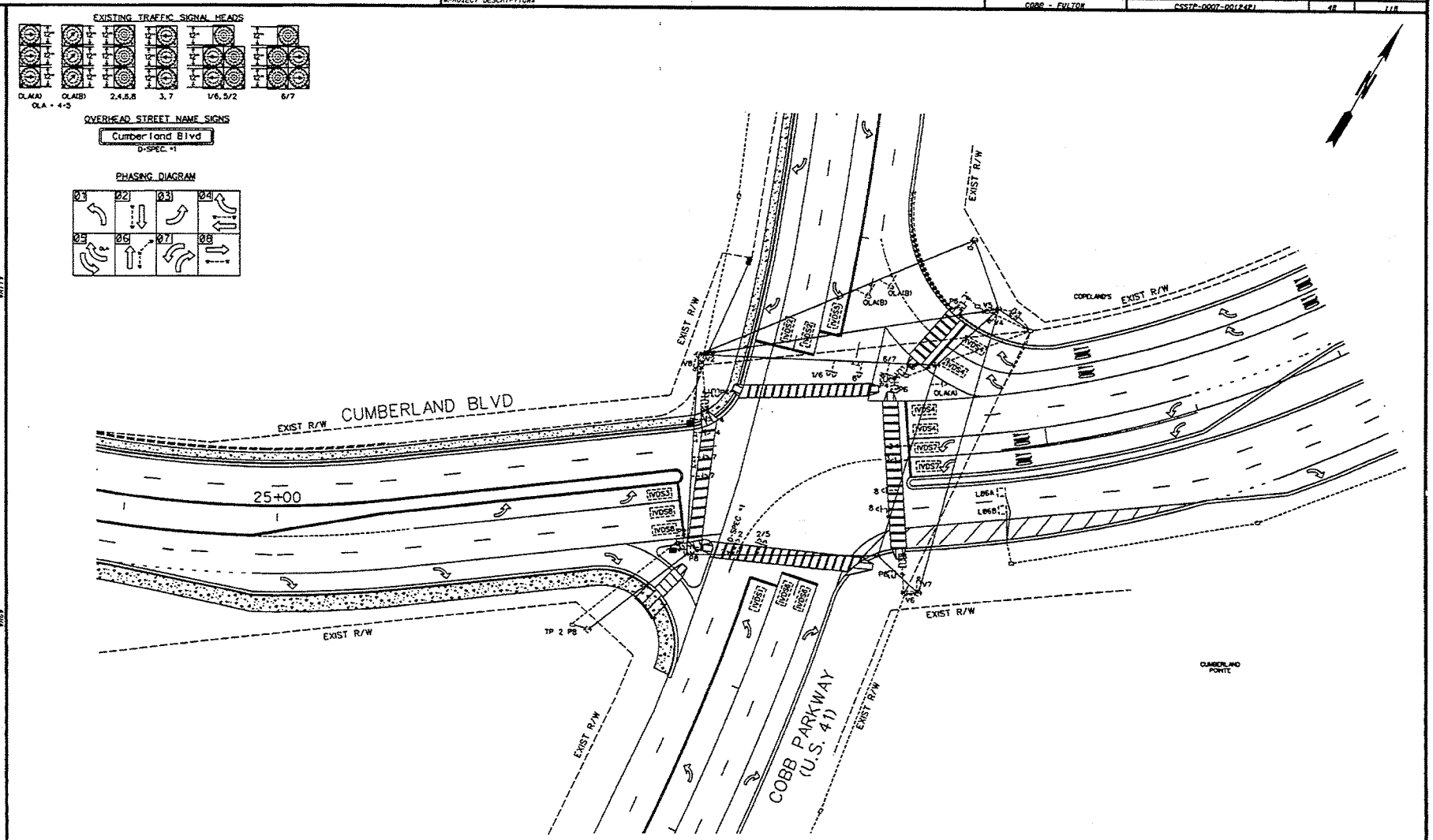
COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
COBB - FULTON	CSSTP-0007-00(242)	48	118



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Atlanta, GA

COBB PKWY
AND CUMBERLAND BOULEVARD

TRANSCORE®

SCALE IN FEET
0 30 60 120

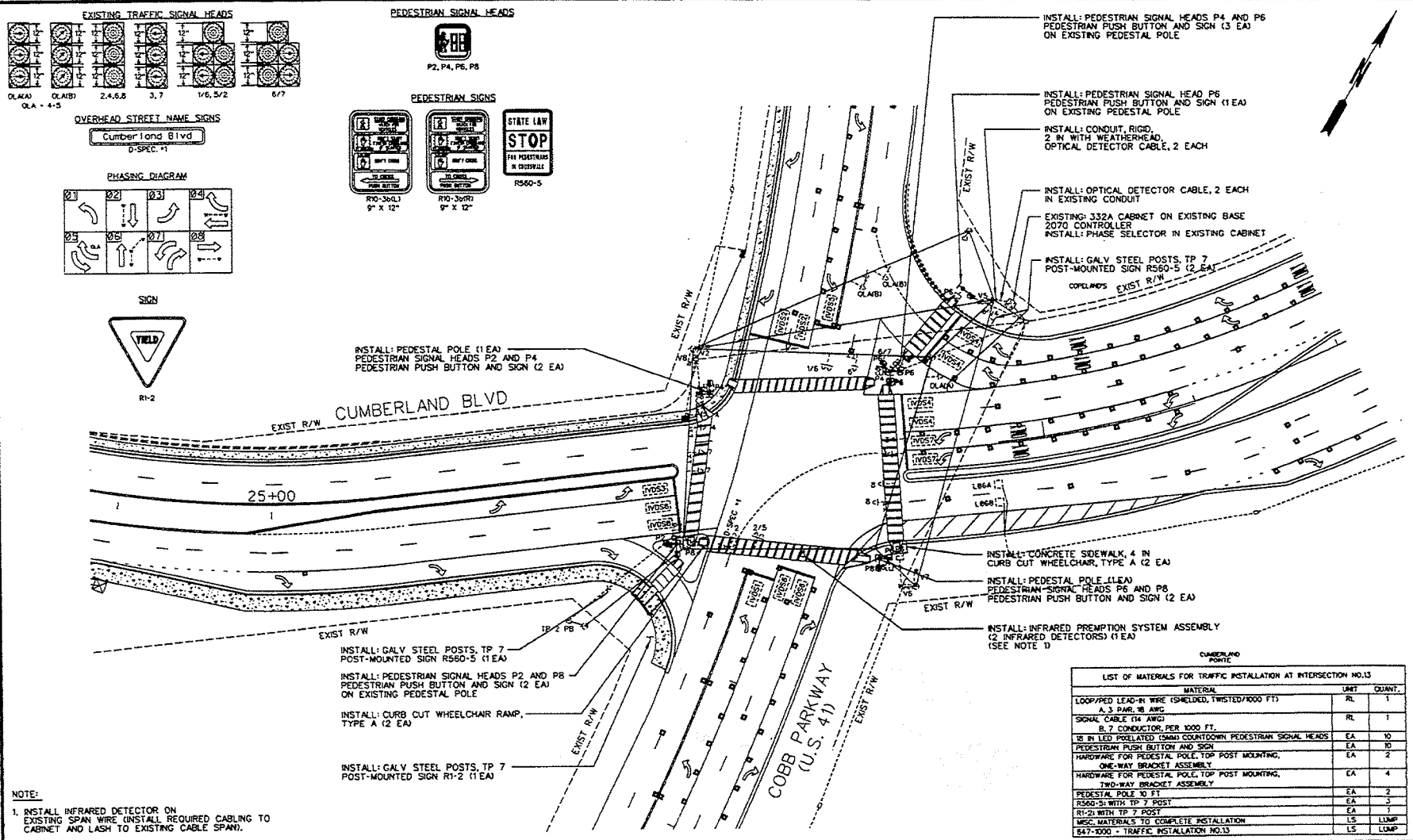
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN
TRAFFIC SIGNAL INTERSECTION 13
EXISTING CONDITIONS

DRAWING No. 27-40

#PLOTTER#		COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
#PROJECT DESCRIPTION#		COBB - FULTON	CSSTP-0007-00(242)	49	118



NOTE:

1. INSTALL INFRARED DETECTOR ON EXISTING SPAN WIRE (INSTALL REQUIRED CABLING TO CABINET AND LASH TO EXISTING CABLE SPAN).

LIST OF MATERIALS FOR TRAFFIC INSTALLATION AT INTERSECTION NO.13

MATERIAL	UNIT	QUANT.
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT) A, 3 PAIR, 18 AWG	RL	1
SIGNAL CABLE (14 AWG) B, 7 CONDUCTOR, PER 1000 FT.	RL	1
12 IN LED PEDESTRIAN (SMART) COUNTDOWN PEDESTRIAN SIGNAL HEADS	EA	10
PEDESTRIAN PUSH BUTTON AND SIGN	EA	10
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	2
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY	EA	4
PEDESTAL POLE 10 FT	EA	2
R560-5 WITH TP 7 POST	EA	3
R1-2 WITH TP 7 POST	EA	1
MISC. MATERIALS TO COMPLETE INSTALLATION	LS	LUMP
647-1000 - TRAFFIC INSTALLATION NO.13	LS	LUMP

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COBB PKWY
AND CUMBERLAND BOULEVARD

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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN

TRAFFIC SIGNAL INTERSECTION 13
DESIGN AND INSTALLATION

DRAWING No. 27-41

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COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
COBB - FULTON	CSSTP-0007-00(242)	50	118

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REVISION DATES	

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

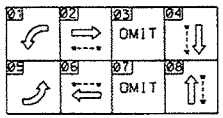
SIGNAL PLAN

TRAFFIC SIGNAL INTERSECTION 14
EXISTING CONDITIONS

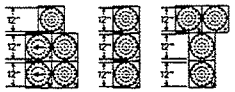
DRAWING No. 27-42

USER#	#PLOTTER#	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
FILE#	#PROJECT DESCRIPTION#	COBB - FULTON	CSSTP-0007-00(242)	51	118

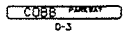
PHASING DIAGRAM



TRAFFIC SIGNAL HEADS



SIGNS

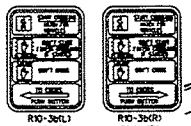


D-3

PEDESTRIAN SIGNAL HEADS

P2, P4, P6, P8

PEDESTRIAN SIGNS



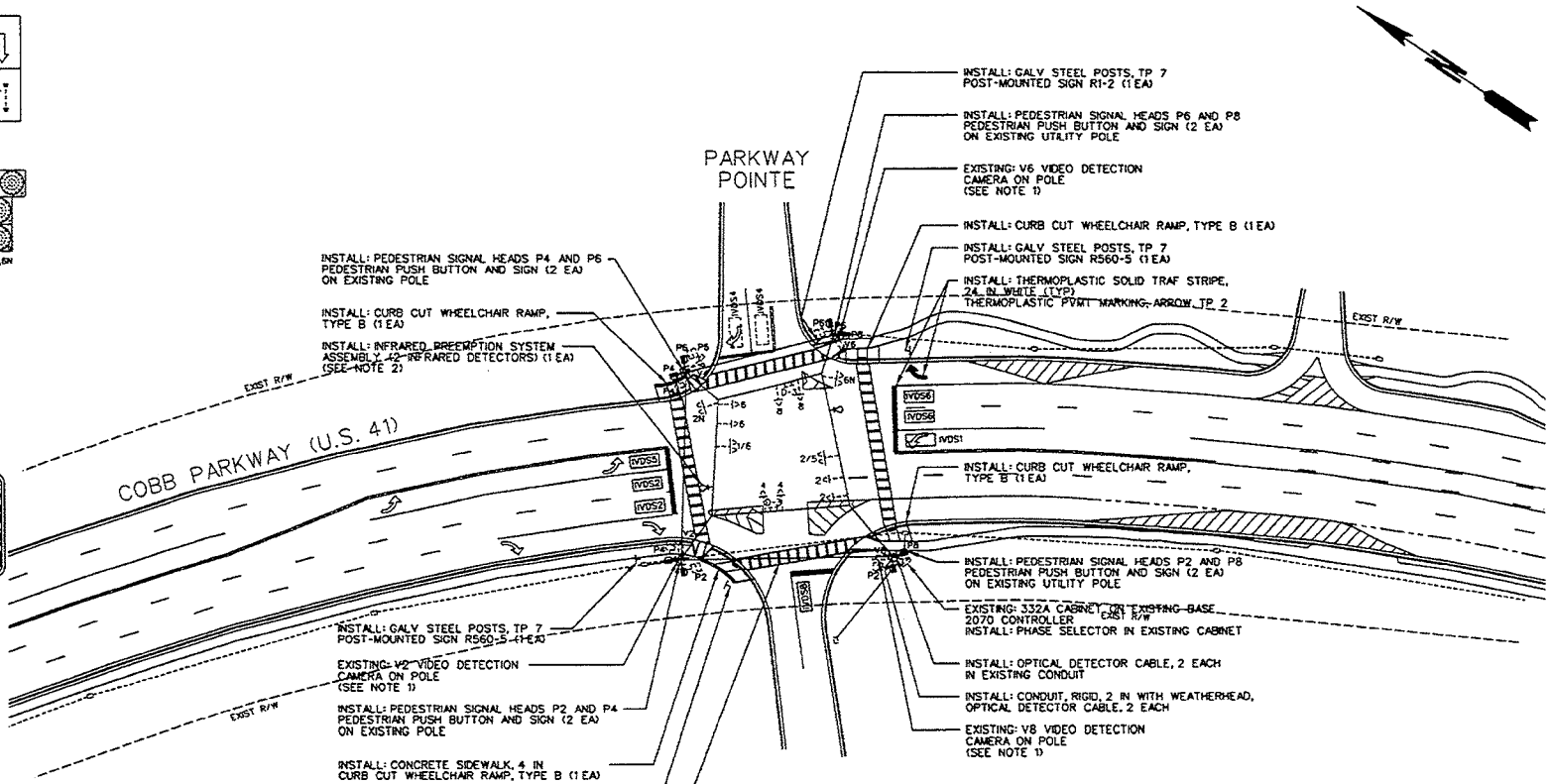
R10-3e(L) 9" X 12"

R10-3e(R) 9" X 12"

R560-5

SIGN

R1-2



NOTES:

1. THE EXISTING V2, V6, AND V8 VIDEO DETECTION CAMERAS SHALL BE REAIMED AND RECALIBRATED TOWARD RELOCATED DETECTION ZONES IVDS1, IVDS2, IVDS5, IVDS6, AND IVDS8 SHOWN IN THE PLANS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR TRAFFIC INSTALLATION NO.14.
2. INSTALL INFRARED DETECTOR ON EXISTING SPAN WIRE (INSTALL REQUIRED CABLING TO CABINET AND LASH TO EXISTING CABLE SPAN).

LIST OF MATERIALS FOR TRAFFIC INSTALLATION AT INTERSECTION NO.14

MATERIAL	UNIT	QUANT.
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT) A, 3 PAIR, 18 AWG	RL	1
SIGNAL CABLE (14 AWG) B, 7 CONDUCTOR, PER 1000 FT.	RL	1
16 IN LED PROGRAMMED COUNTDOWN PEDESTRIAN SIGNAL HEADS	EA	8
PEDESTRIAN PUSH BUTTON AND SIGN	EA	8
HARDWARE FOR SIDE-OF-POLE MOUNTING, TWO-WAY BRACKET ASSEMBLY	EA	4
R560-5: WITH TP 7 POST	EA	2
R1-2: WITH TP-7 POST	EA	2
MISC. MATERIALS TO COMPLETE INSTALLATION	LS	LUMP
647-1000 - TRAFFIC INSTALLATION NO.14	LS	LUMP

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COBB PKWY AND PARKWAY POINTE

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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN

TRAFFIC SIGNAL INTERSECTION 14
DESIGN AND INSTALLATION

DRAWING No. 27-43

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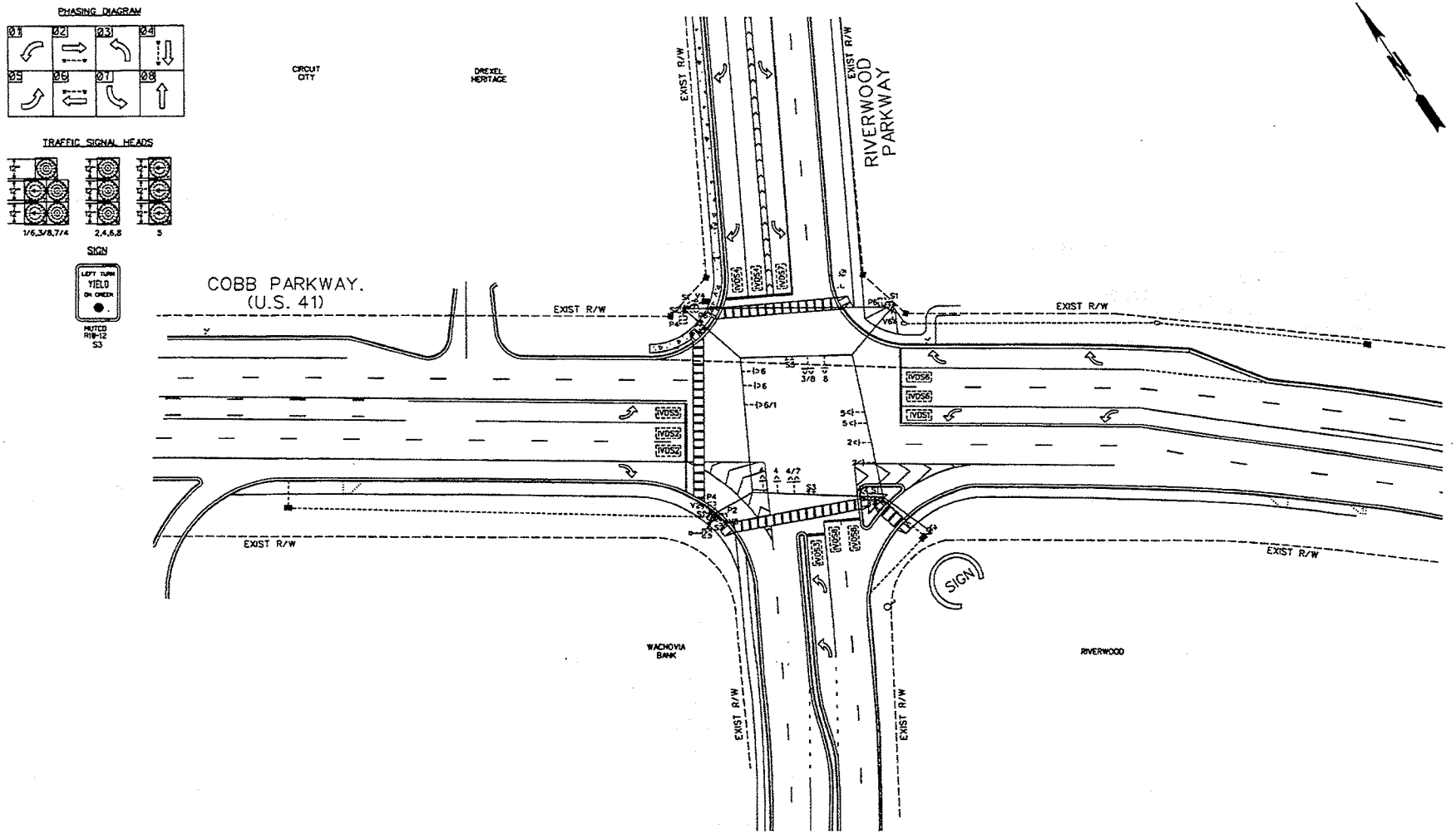
#PLOTTER#	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
#PROJECT DESCRIPTION#	COBB - FULTON	CSSTP-0007-00(242)	52	118



Carte Burgess
Atlanta, GA

COBB PKWY AND RIVERWOOD PARKWAY

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SCALE IN FEET
0 30 60 120

REVISION DATES

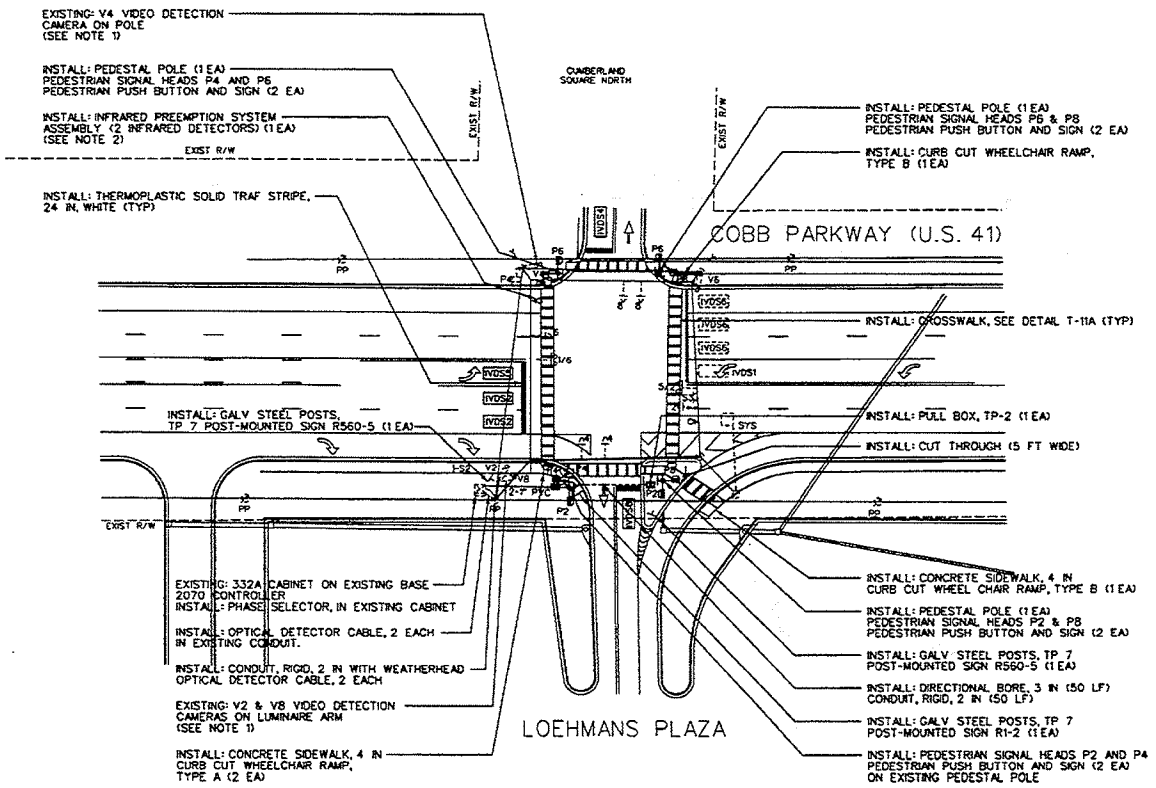
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN

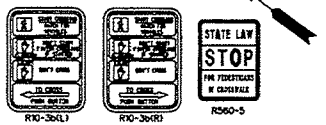
TRAFFIC SIGNAL INTERSECTION 15
EXISTING CONDITIONS

DRAWING No. 27-44

USER# / FILE#	$PLOTTER# / $PROJECT DESCRIPTION#	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		COBB - FULTON	CSSTP-0007-00(242)	63	118



PEDESTRIAN SIGNS



PEDESTRIAN SIGNAL HEAD

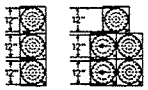
P2, P4, P6, P8

SIGNS

R1-2

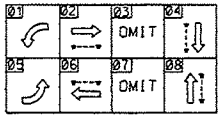
S2 S3

TRAFFIC SIGNAL HEADS



2,4,6,8 1/5,5/2

PHASING DIAGRAM



LIST OF MATERIALS FOR TRAFFIC INSTALLATION AT INTERSECTION NO.20		
MATERIAL	UNIT	QUANT.
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT) A, 3 PAIR, 16 AWG	RL	1
SIGNAL CABLE (14 AWG) B, 7 CONDUCTOR, PER 1000 FT.	RL	1
39 IN LED PEDELATED (3MM) COUNTDOWN PEDESTRIAN SIGNAL HEADS	EA	8
PEDESTRIAN PUSH BUTTON AND SIGN	EA	8
CONDUIT, RIGID, 2 IN	LF	50
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY	LF	4
PEDESTAL POLE 10 FT	EA	3
PULL BOX, PB-2	EA	1
R560-5: WITH TP 7 POST	EA	2
R1-2: WITH TP 7 POST	EA	1
MISC. MATERIALS TO COMPLETE INSTALLATION	LS	LUMP
647-1000 - TRAFFIC INSTALLATION NO.20	LS	LUMP

NOTES:

1. THE EXISTING V2, V4, AND V8 VIDEO DETECTION CAMERAS SHALL BE REAIMED AND RECALIBRATED TOWARD RELOCATED DETECTION ZONES IVDS2, IVDS4, IVDS5, & IVDS8 SHOWN IN THE PLANS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR TRAFFIC SIGNAL INSTALLATION NO. 20.
2. INSTALL INFRARED DETECTOR ON EXISTING SPAN WIRE (INSTALL REQUIRED CABLING TO CABINET AND LASH TO EXISTING CABLE SPAN).

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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN

TRAFFIC SIGNAL INTERSECTION 20
DESIGN AND INSTALLATION

DRAWING NO. 27-55

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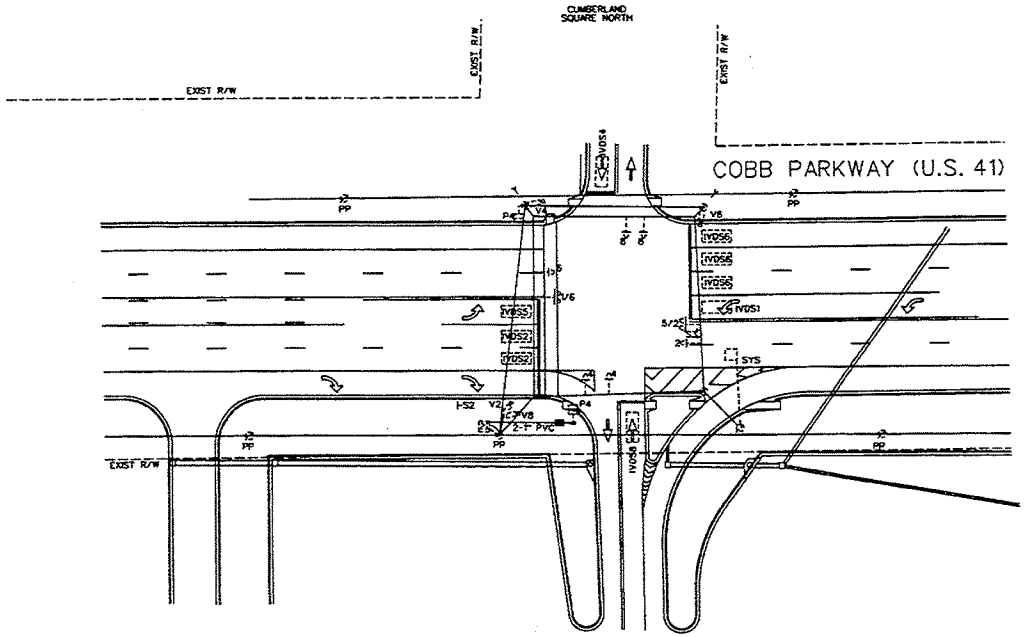
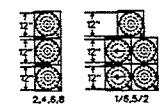
COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
COBB - FULTON	CSSTP-0007-00(242)	62	118



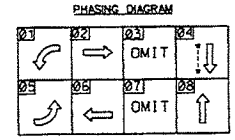
SIGNS

S2 S3

TRAFFIC SIGNAL HEADS



PHASING DIAGRAM



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COBB PKWY AND LOEHMANS PLAZA

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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN

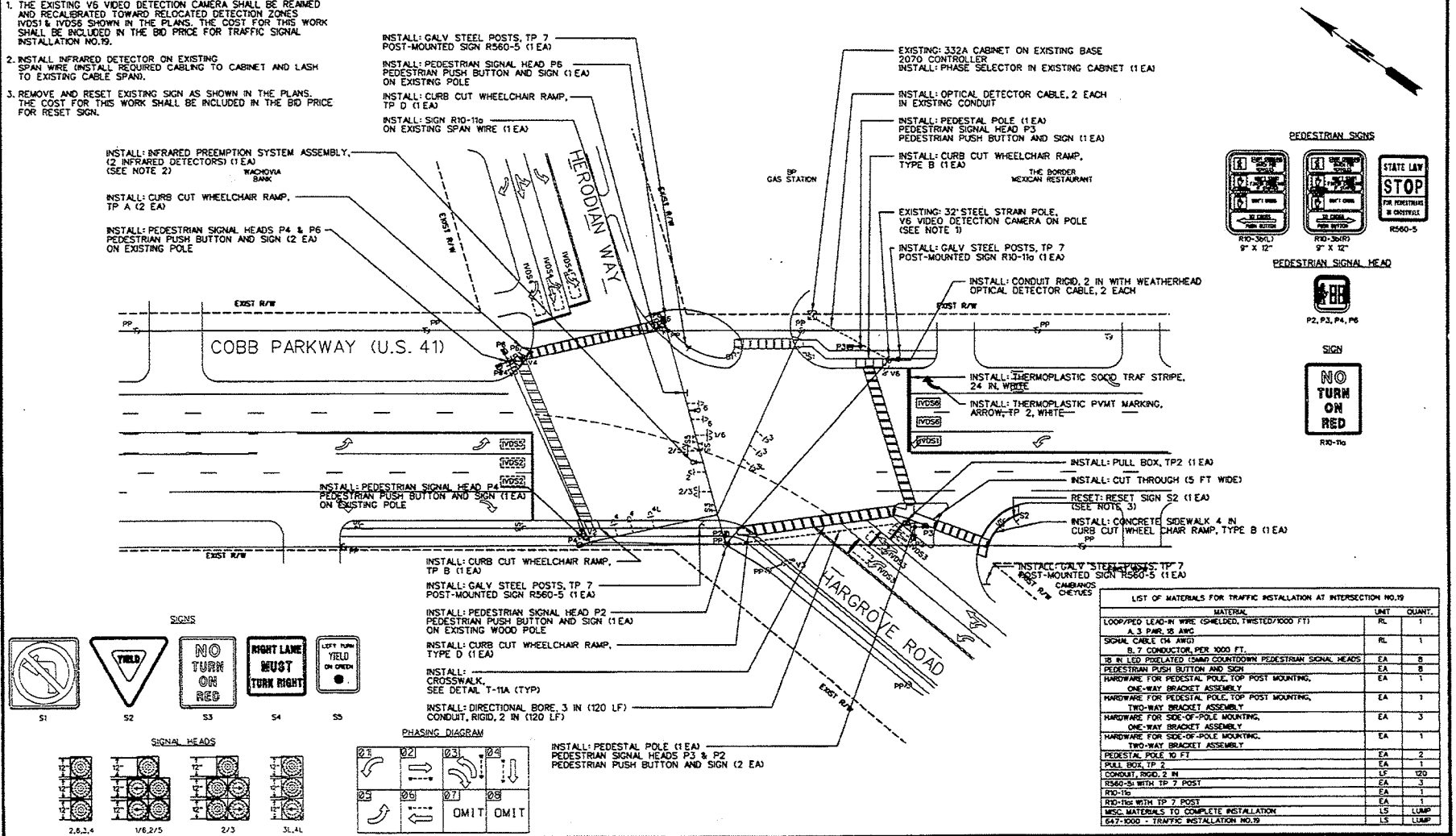
TRAFFIC SIGNAL INTERSECTION 20
EXISTING CONDITIONS

DRAWING No. 27-54

#PLOTTERS	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
#PROJECT DESCRIPTION	COBB - FULTON	CSSTE-0007-00(248)	61	118

NOTES:

1. THE EXISTING V6 VIDEO DETECTION CAMERA SHALL BE REAIMED AND RECALIBRATED TOWARD RELOCATED DETECTION ZONES IVDS1 & IVDS6 SHOWN IN THE PLANS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR TRAFFIC SIGNAL INSTALLATION NO.19.
2. INSTALL INFRARED DETECTOR ON EXISTING SPAN WIRE (INSTALL REQUIRED CABLING TO CABINET AND LASH TO EXISTING CABLE SPAN).
3. REMOVE AND RESET EXISTING SIGN AS SHOWN IN THE PLANS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR RESET SIGN.



PEDESTRIAN SIGNS

R10-3b(L) 9" X 12" R10-3b(R) 9" X 12" R560-5

PEDESTRIAN SIGNAL HEAD

P2, P3, P4, P6

SIGN

R10-11a

SIGNS

S1 S2 S3 S4 S5

SIGNAL HEADS

2,6,3,4 1/6,2/5 2/3 3L,4L

PHASING DIAGRAM

LIST OF MATERIALS FOR TRAFFIC INSTALLATION AT INTERSECTION NO.19

MATERIAL	UNIT	QUANT.
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT) A, 3 PAIR, 18 AWG	RL	1
SIGNAL CABLE (14 AWG) B, 7 CONDUCTOR, PER 1000 FT.	RL	1
18 IN LED PIXELATED SMART COUNTDOWN PEDESTRIAN SIGNAL HEADS	EA	8
PEDESTRIAN PUSH BUTTON AND SIGN	EA	8
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	1
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY	EA	1
HARDWARE FOR SIDE-OF-POLE MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	3
HARDWARE FOR SIDE-OF-POLE MOUNTING, TWO-WAY BRACKET ASSEMBLY	EA	1
PEDESTAL POLE 10 FT	EA	2
PULL BOX, TP 2	EA	1
CONDUIT, RIGID, 2 IN	LF	120
R560-5t WITH TP 7 POST	EA	3
R10-11a	EA	1
R10-11a1 WITH TP 7 POST	EA	1
MISC. MATERIALS TO COMPLETE INSTALLATION	LS	LUMP
647-1000 - TRAFFIC INSTALLATION NO.19	LS	LUMP

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COBB PKWY AND HARGROVE ROAD/ HERODIAN WAY

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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN

TRAFFIC SIGNAL INTERSECTION 19
DESIGN AND INSTALLATION

DRAWING No. 27-53

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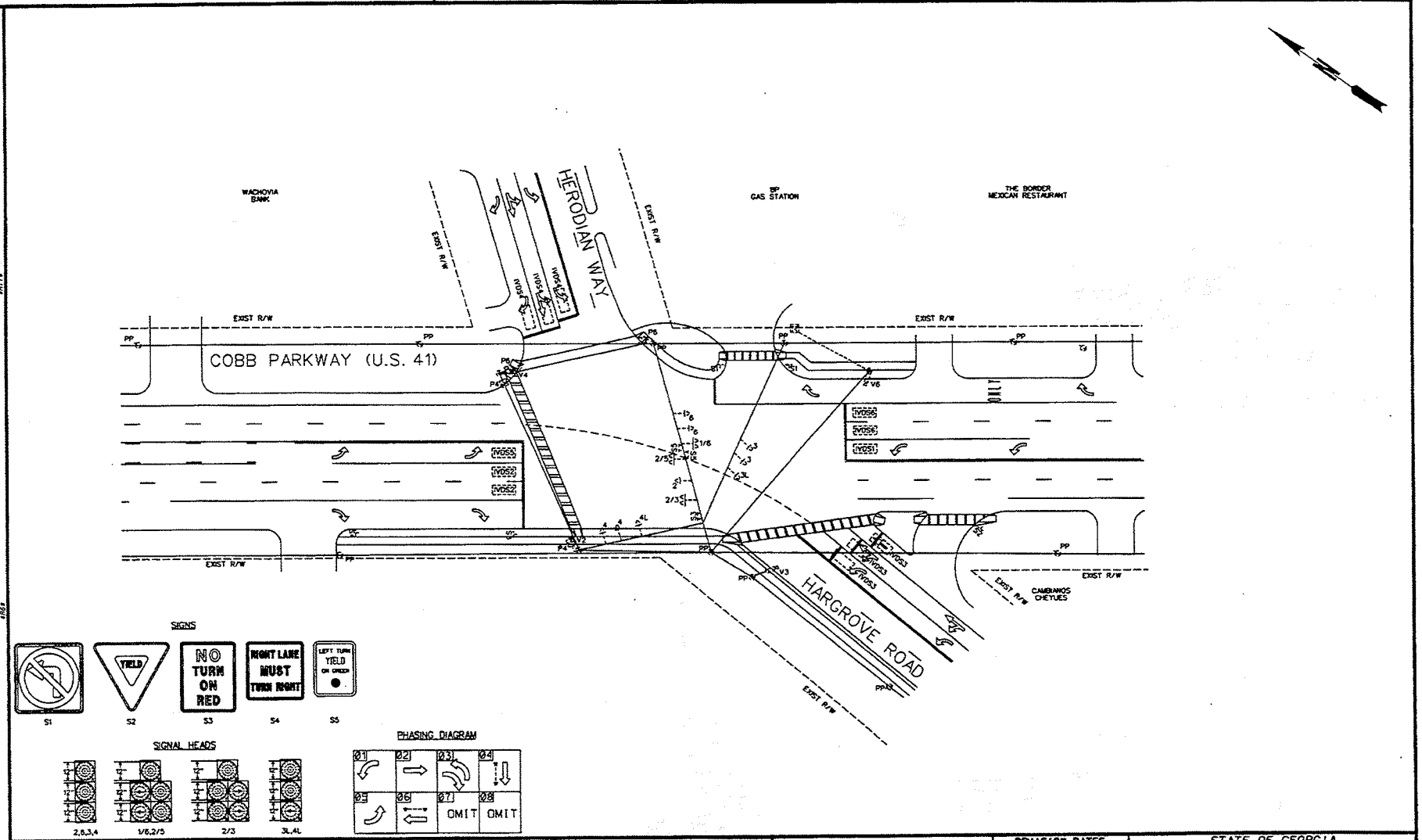
USER#	#PLOTTER#	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
FILE#	#PROJECT DESCRIPTION#	COBB - FULTON	CSSTP-0007-00(242)	60	118



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Atlanta, GA

COBB PKWY AND HARGROVE ROAD/
HERODIAN WAY

TRANSCORE®

SCALE IN FEET
0 30 60 120

REVISION DATES

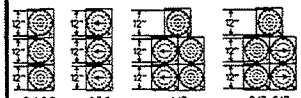
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN
TRAFFIC SIGNAL INTERSECTION 19
EXISTING CONDITIONS

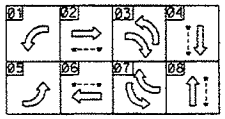
DRAWING No. 27-52

#USER# #FILE#	#PLOTTER# #PROJECT DESCRIPTION#	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		COBB - FULTON	CSSTP-0007-00(248)	59	118

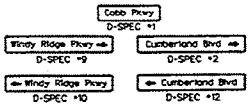
TRAFFIC SIGNAL HEADS



PHASING DIAGRAM

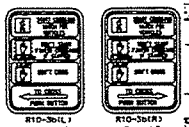


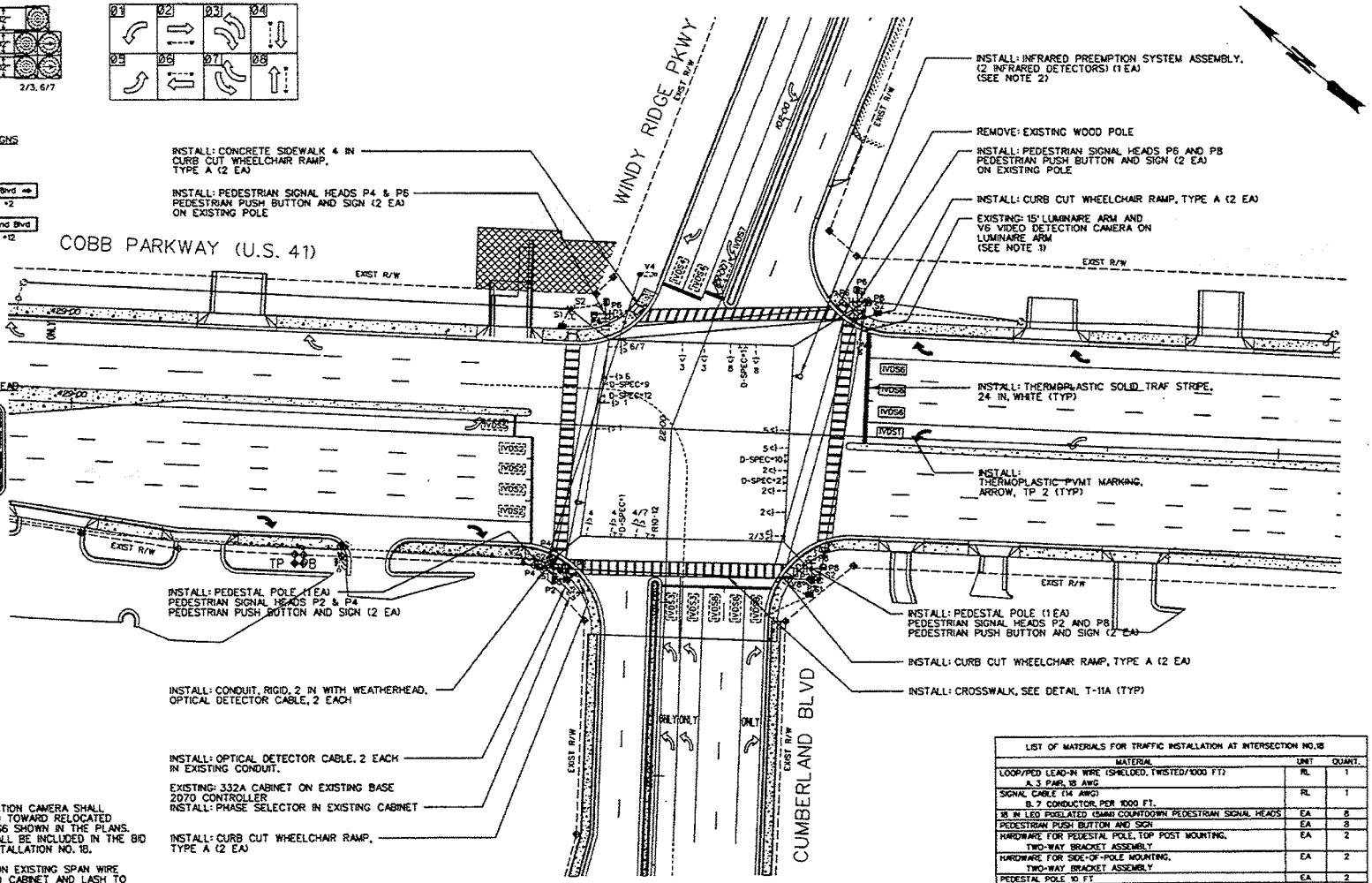
OVERHEAD STREET NAME SIGNS



SIGN

PEDESTRIAN SIGNS AND SIGNAL HEAD





NOTES:

1. THE EXISTING V6 VIDEO DETECTION CAMERA SHALL BE REAIMED AND RECALIBRATED TOWARD RELOCATED DETECTION ZONES IVDS1 & IVDS6 SHOWN IN THE PLANS. THE COST FOR THE WORK SHALL BE INCLUDED IN THE BID PRICE FOR TRAFFIC SIGNAL INSTALLATION NO. 18.
2. INSTALL INFRARED DETECTOR ON EXISTING SPAN WIRE (INSTALL REQUIRED CABLING TO CABINET AND LASH TO EXISTING CABLE SPAN).

LIST OF MATERIALS FOR TRAFFIC INSTALLATION AT INTERSECTION NO.18

MATERIAL	UNIT	QUANT.
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT) A, 3 PAIR, 18 AWG	RL	1
SIGNAL CABLE (14 AWG) B, 7 CONDUCTOR, PER 1000 FT.	RL	1
16 IN LED PEDESTAL (SMM) COUNTDOWN PEDESTRIAN SIGNAL HEADS	EA	8
PEDESTRIAN PUSH BUTTON AND SIGN	EA	8
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY	EA	2
HARDWARE FOR SIDE-OF-POLE MOUNTING, TWO-WAY BRACKET ASSEMBLY	EA	2
PEDESTAL POLE 10 FT	EA	2
MISC. MATERIALS TO COMPLETE INSTALLATION	LS	LUMP
647-1000 - TRAFFIC INSTALLATION NO.18	LS	LUMP

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COBB PKWY
AND WINDY RIDGE PARKWAY/
CUMBERLAND BOULEVARD

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REVISION DATES		

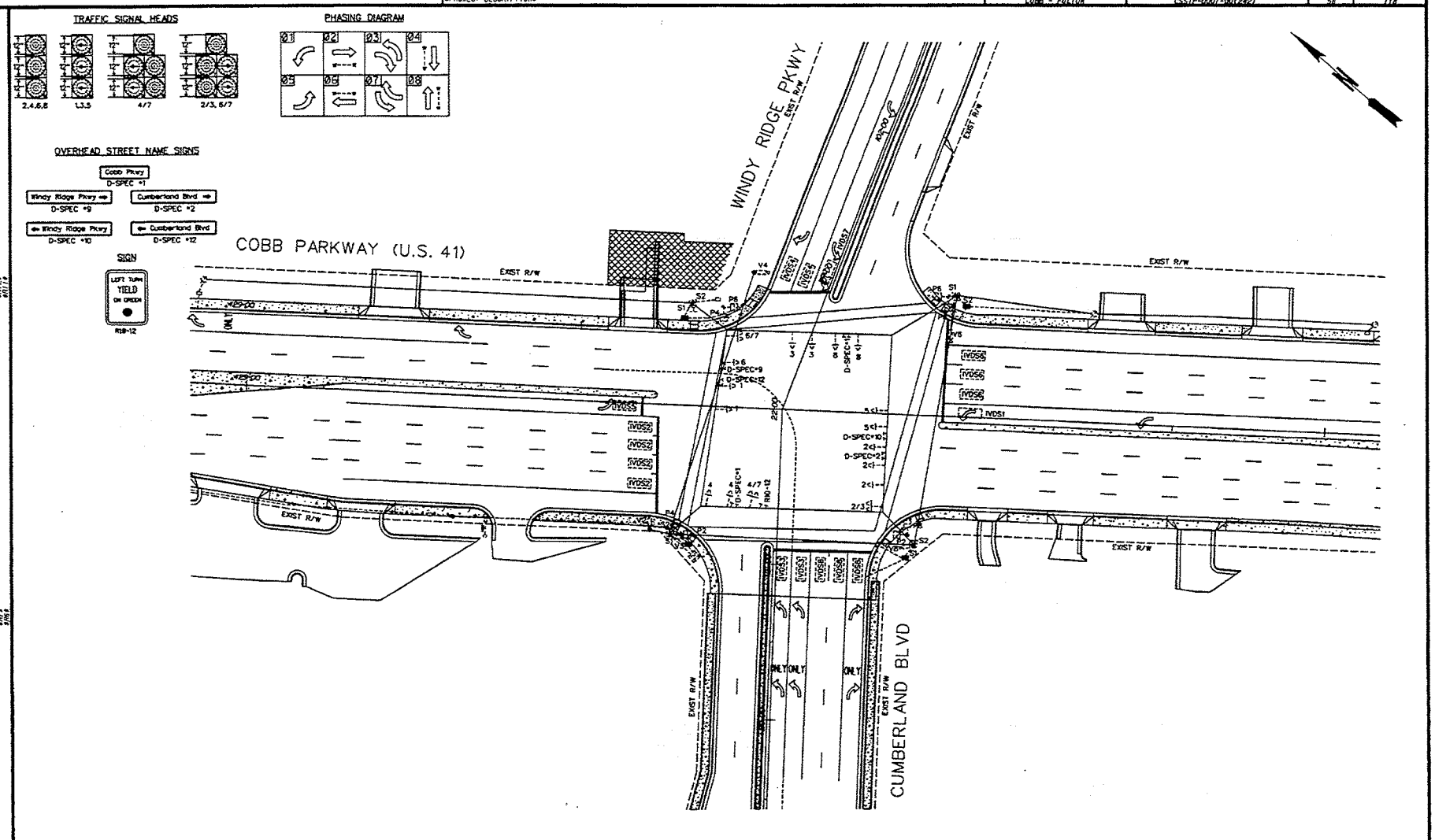
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN

TRAFFIC SIGNAL INTERSECTION 18
DESIGN AND INSTALLATION

DRAWING NO. 27-51

COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
COBB - FULTON	CSSTP-0007-00(242)	58	118



Carter::Burgess
Atlanta, GA

COBB PKWY
AND WINDY RIDGE PARKWAY/
CUMBERLAND BOULEVARD

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SCALE IN FEET
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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: TRAFFIC SAFETY & DESIGN

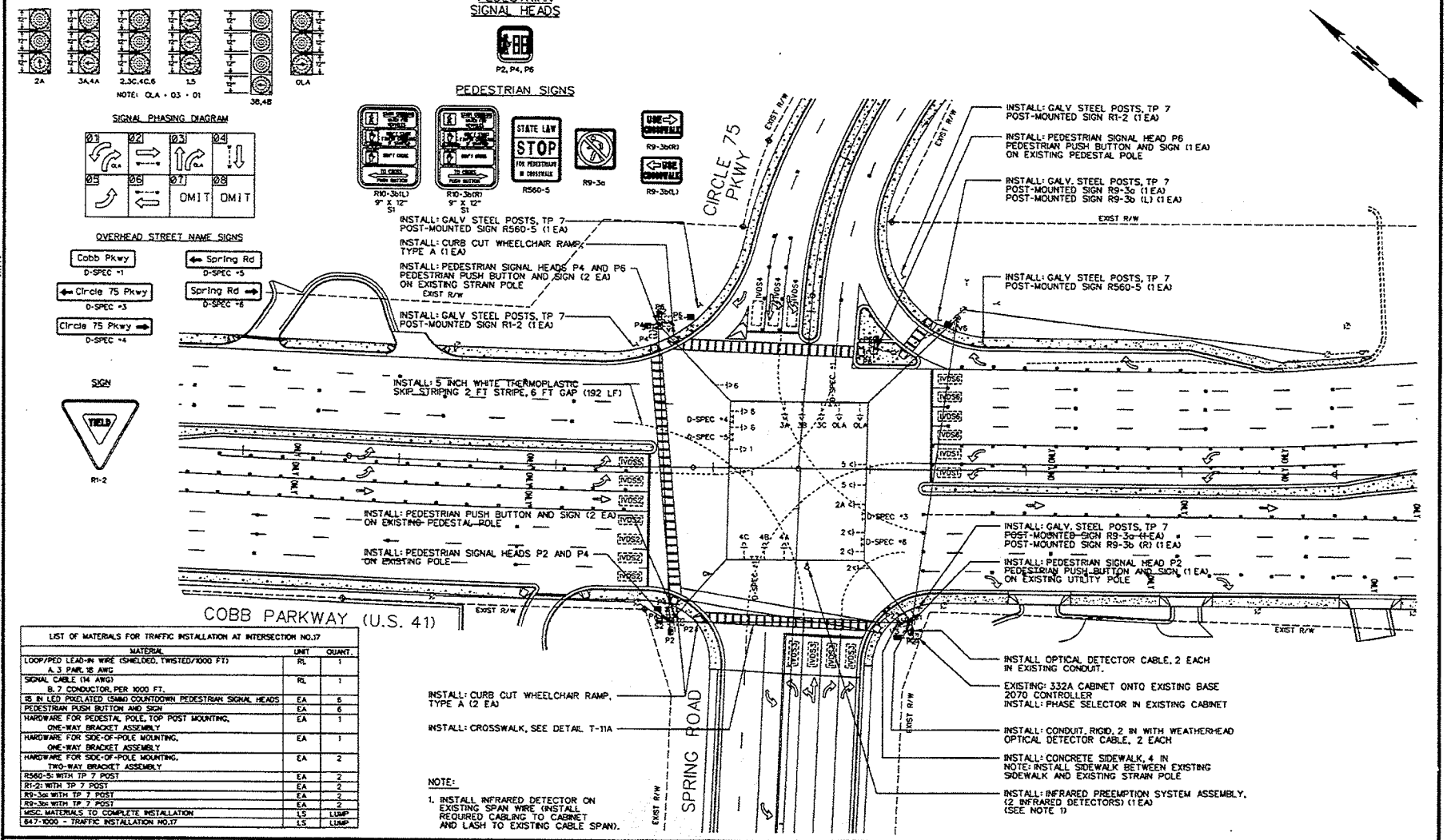
SIGNAL PLAN
TRAFFIC SIGNAL INTERSECTION 18
EXISTING CONDITIONS

DRAWING No. 27-50

#USER#
#FILE#

#PLOTTER#
#PROJECT DESCRIPTION#

COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
COBB - FULTON	CSSTP-0007-00(242)	27	118



LIST OF MATERIALS FOR TRAFFIC INSTALLATION AT INTERSECTION NO.17

MATERIAL	UNIT	QUANT.
LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT) A, 3 PAIR, 18 AWG	RL	1
SIGNAL CABLE (14 AWG) B, 7 CONDUCTOR, PER 1000 FT.	RL	1
15 IN LED PEDESTAL (SMART COUNTDOWN PEDESTRIAN SIGNAL HEADS	EA	6
PEDESTRIAN PUSH BUTTON AND SIGN	EA	6
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	1
HARDWARE FOR SIDE-OF-POLE MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	1
HARDWARE FOR SIDE-OF-POLE MOUNTING, TWO-WAY BRACKET ASSEMBLY	EA	2
R560-5: WITH TP 7 POST	EA	2
R1-2: WITH TP 7 POST	EA	2
R9-3a: WITH TP 7 POST	EA	2
R9-3b: WITH TP 7 POST	EA	2
MISC. MATERIALS TO COMPLETE INSTALLATION	LS	LUMP
647-1000 - TRAFFIC INSTALLATION NO.17	LS	LUMP

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Atlanta, GA

COBB PKWY AND SPRING ROAD/
CIRCLE 75 PARKWAY

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REVISION DATES		

STATE OF GEORGIA
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OFFICE: TRAFFIC SAFETY & DESIGN

SIGNAL PLAN
TRAFFIC SIGNAL INTERSECTION 17
DESIGN AND INSTALLATION

DRAWING No. 27-49

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