

1425

SIGNAL EQUIPMENT

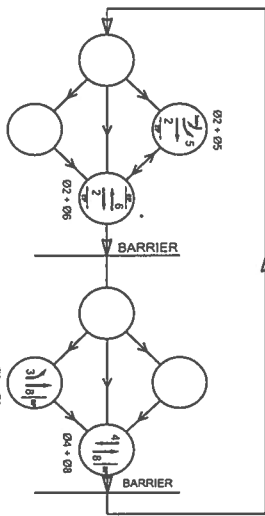
ONE(1) 8-PHASE FULLY ACTUATED STANDARD 2070 CONTROLLER WITH PUSHER, SIGNAL MONITOR UNIT, AND BASE - MOUNTED 332A CABINET.

8 MODEL 222 (2)-CHANNEL VEHICLE DETECTOR UNITS

HEAD NUMBER	2	2F	3.4F	4	5.6F	5c	6	8	8F	2P	BP	BP
LENS	R	←R	←R	R	←R	R	←R	R	←R	R	←R	R
SIZE	2	2F	3.4F	4	5.6F	5c	6	8	8F	2P	BP	BP
QUANTITY	3	1	1	1	1	1	1	1	1	1	1	1

OLA = 02 (FVA)    OLC = 05+06 (FVA)  
OLA = 03+04 (FVA)    OLC = 06 (FVA)

NEMA PHASING



NOTE: ACTUATED PHASES HAVING NO CALL SHALL BE SHIPPED

\* E-W STREET COORDINATED

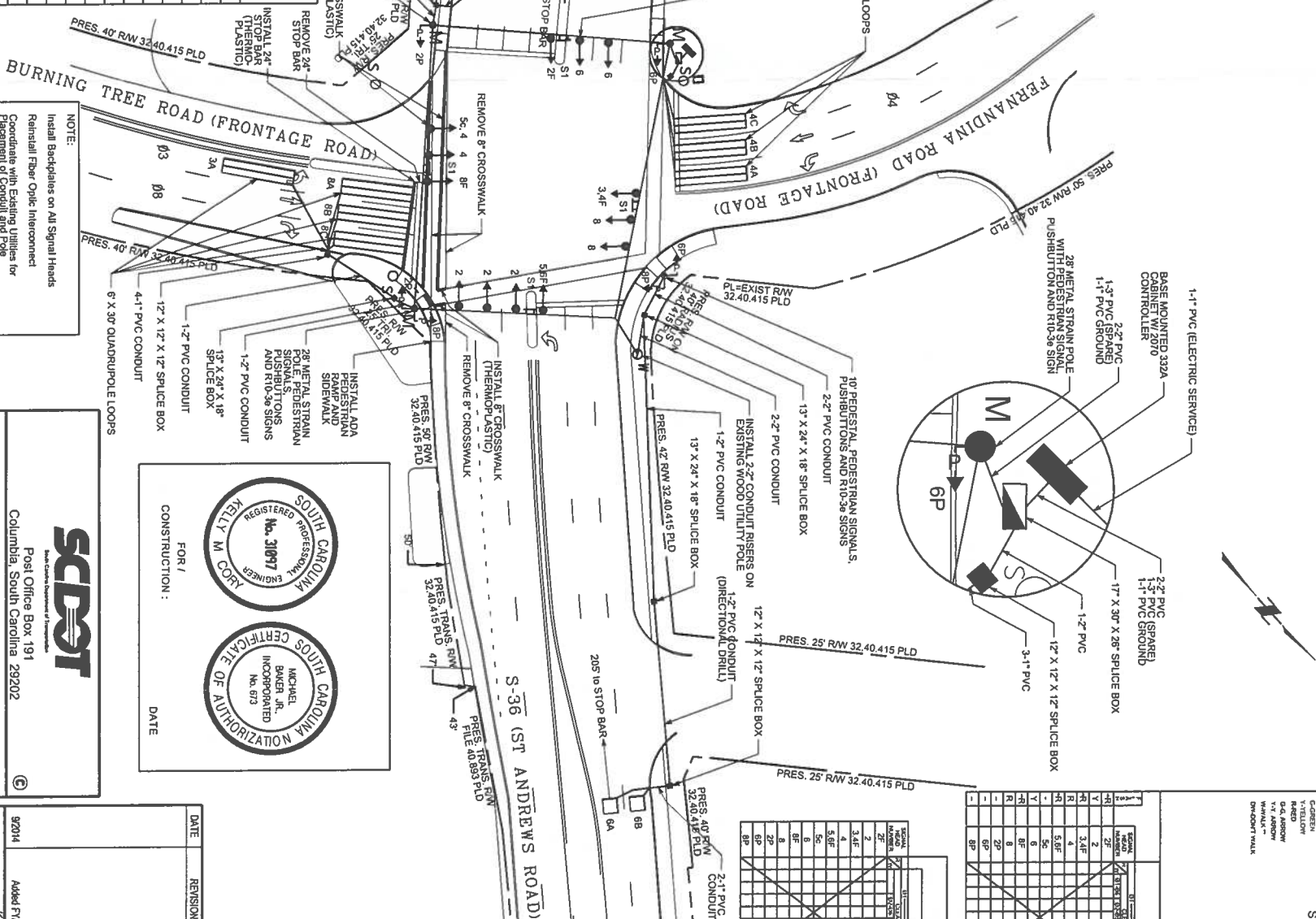


SIGNAL TIMINGS

INTERVAL	1	2	3	4	5	6	7	8
WALK	7	7	7	7	7	7	7	7
DO NOT WALK	29	29	29	29	29	29	29	29
MIN INITIAL	15	6	6	6	15	8	8	8
MAX INITIAL								
ADDITION								
VER EXT	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
TIM BFR REDUC								
TIME TO REDUC								
MIN GAP	45	20	35	20	45	35	35	35
MAX LIMIT								
MAXIMUM 2	4.4	3.0	3.2	3.0	4.4	3.2	3.2	3.2
YELLOW								
RED CLEAR	2.1	3.1	2.9	3.1	2.1	2.9	2.9	2.9

LOOP DETECTOR INSTALLATION CHART

PHASE/ DETECTOR	TO	WIRED	LOCK	NON-LOCK	PULSE	RES	DELAY	EXT	SPECIAL	LOOP DESIGN
LOOP LTR#	AMP	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
2A		2	X	X	X	X	6" X 6"	4	205'	6" X 6"
2B		2	X	X	X	X	6" X 6"	4	205'	6" X 6"
3A		3	X	X	X	X	6" X 30"	2-4-2	50'	6" X 30"
4A		4	X	X	X	X	6" X 30"	2-4-2	0'	6" X 30"
4B		4	X	X	X	X	6" X 30"	2-4-2	0'	6" X 30"
4C		4	X	X	X	X	6" X 30"	2-4-2	0'	6" X 30"
5A		5	X	X	X	X	6" X 30"	2-4-2	50'	6" X 30"
6A		6	X	X	X	X	6" X 6"	4	205'	6" X 6"
6B		6	X	X	X	X	6" X 6"	4	205'	6" X 6"
8A		8	X	X	X	X	6" X 30"	2-4-2	0'	6" X 30"
8B		8	X	X	X	X	6" X 30"	2-4-2	0'	6" X 30"
8C		8	X	X	X	X	6" X 30"	2-4-2	0'	6" X 30"



SIGNAL DISPLAY SEQUENCE CHART

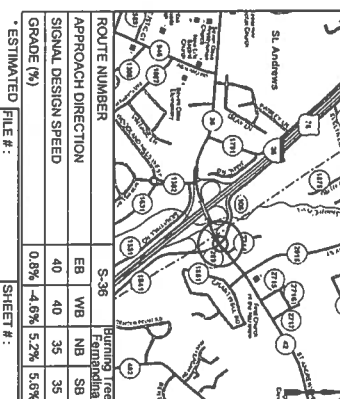
SEQUENCE	1	2	3	4	5	6	7	8
RED	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
YELLOW	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
WALK	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
DO NOT WALK	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

SIGNAL DISPLAY SEQUENCE (PREFERENTIAL PHASING)

SEQUENCE	1	2	3	4	5	6	7	8
RED	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
YELLOW	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
WALK	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
DO NOT WALK	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

SEQUENCE	1	2	3	4	5	6	7	8
RED	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
YELLOW	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
WALK	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
DO NOT WALK	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

SEQUENCE	1	2	3	4	5	6	7	8
RED	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
YELLOW	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
WALK	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
DO NOT WALK	0.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5



SCDOT  
DEPARTMENT OF TRANSPORTATION  
ENGINEERING DIVISION  
COLUMBIA, S.C.

SUBJECT TITLE  
ST. ANDREWS SIGNAL UPGRADE  
BURNING TREE DR FERNANDINA RD

REVISIONS	DATE	DESCRIPTION
1	10/20/13	1"=30'

DESIGNED	KMC
DRAWN	KMC
CHECKED	RJD
REVIEWED	

APPROVED BY	
DISTRICT #1 TRAFFIC ENGINEER	
SCALE	1"=30'
DATE	10/20/13
SHEET NO.	OF
INDEX NO.	

SCDOT  
Post Office Box 191  
Columbia, South Carolina 29202

SOUTH CAROLINA  
REGISTERED PROFESSIONAL ENGINEER  
No. 31097  
KELLY M. LOCO  
FOR /  
CONSTRUCTION:  
DATE

SOUTH CAROLINA  
REGISTERED PROFESSIONAL ENGINEER  
No. 673  
MICHAEL BAKER JR.  
INCORPORATED  
FOR /  
CONSTRUCTION:  
DATE

NOTE:  
Install Backplates on All Signal Heads  
Reinstall Fiber Optic Interconnect  
Coordinate with Existing Utilities for  
Construction of Curb and Pole  
Reinstall All Existing Traffic Signal  
Equipment, Signs and Stop Signs to SCDOT  
Standard. Present right of way widths have been verified  
on these plans have not been surveyed  
and are for information only.