

SIGNAL EQUIPMENT

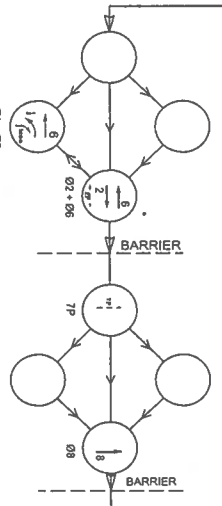
ONE (1) 8 PHASE FULLY ACTUATED STANDARD 2070 CONTROLLER WITH FLASHER SIGNAL MONITOR UNIT, AND BASE - MOUNTED S20 CABINET.

4 MODEL 222, 2-CHANNEL VEHICLE DETECTOR UNITS

HEAD NUMBER	2F	1c	2	8	8	2P	7P
LENS	4-4	4-4	Y	Y	Y	Y	Y
PHASE	10A	1	2	8	8	2P	7P
SIZE	12"	12"	12"	12"	12"	16"	16"
QUANTITY	1	1	2	2	2	2	2

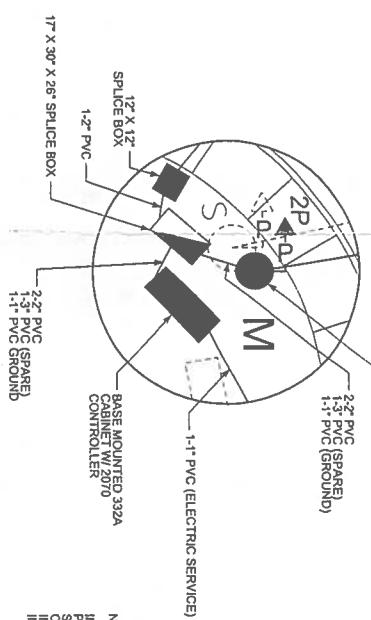
OLA=01+02 (FYA) OLC  
OLA

NEMA PHASING



NOTE: ACTUATED PHASES HAVING NO CALL SHALL BE SUPPLIED

E-W STREET COORDINATED



NOTE A:  
INSTALL AERIAL FIBER OPTIC INTERCONNECT CENTERS AT NEAREST TOPOGRAPHIC CORNER. INSTALL FIBER OPTIC CABLE BETWEEN THE INTERCONNECT CENTERS AND THE INTERCONNECT CABLES. INSTALL FIBER OPTIC CABLE BETWEEN THE INTERCONNECT CABLES AND THE INTERCONNECT CABLES.

SIGNAL DISPLAY SEQUENCE CHART

PHASE	10A	1	2	8	8	2P	7P
RED	15.0	15.0	15.0	15.0	15.0	15.0	15.0
YELLOW	3.0	3.0	3.0	3.0	3.0	3.0	3.0
GREEN	15.0	15.0	15.0	15.0	15.0	15.0	15.0

SIGNAL DISPLAY SEQUENCE (PREFERENTIAL PHASING)

PHASE	10A	1	2	8	8	2P	7P
10A	15.0	15.0	15.0	15.0	15.0	15.0	15.0
1	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2	15.0	15.0	15.0	15.0	15.0	15.0	15.0
8	15.0	15.0	15.0	15.0	15.0	15.0	15.0
8	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2P	15.0	15.0	15.0	15.0	15.0	15.0	15.0
7P	15.0	15.0	15.0	15.0	15.0	15.0	15.0

SIGNAL TIMINGS

PHASE	1	2	3	4	5	6	7	8
WALK	7	7	7	7	7	7	7	7
DO NOT WALK	28	28	28	28	28	28	28	28
MIN INITIAL	6	15	15	15	15	15	15	15
MAX INITIAL	10	10	10	10	10	10	10	10
ADDER	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
VEH EXT	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
TIME TO REDUC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MIN GAP	15	15	15	15	15	15	15	15
MAX LIMIT	30	30	30	30	30	30	30	30
MAXIMUM 2	30	30	30	30	30	30	30	30
YELLOW	3.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
RED CLEAR	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

LOOP DETECTOR INSTALLATION CHART

PHASE/ DETECTOR	WIRING	TO LOCK	NON-LOCK	PULSE	OPERATION	SPECIAL	LOOP DESIGN
1A	1	X	X	X	EXT	QUAD	6' X 30' 2-4-2 50'
2A	2	X	X	X	EXT	QUAD	6' X 30' 4 205'
2B	2	X	X	X	EXT	QUAD	6' X 30' 4 205'
6A	6	X	X	X	EXT	QUAD	6' X 30' 4 205'
6B	6	X	X	X	EXT	QUAD	6' X 30' 4 205'
8A	8	X	X	X	EXT	QUAD	6' X 30' 2-4-2 0'
8B	8	X	X	X	EXT	QUAD	6' X 30' 2-4-2 0'

FOR CONSTRUCTION: DATE

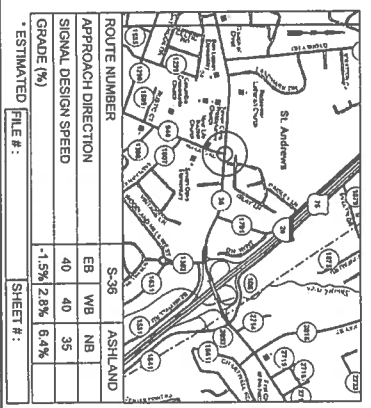
SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 31897 KELLY M. CORRY

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 673 MICHAEL J. BAKER, JR. AUTHORIZATION

NOTE:  
Install backdrops on all Signal Heads  
Coordinate with existing utilities for  
Placement of Conduit and Pole  
Foundations.  
Return All Existing Traffic Signal  
Equipment, Poles and Stop Signs to SCDOT  
District 1 of way within 10 days of completion  
from existing SCDOT plans. Right of way lines  
shown on these plans have not been surveyed  
and are for information only.

SCDOT  
Post Office Box 191  
Columbia, South Carolina 29202

This intersection border drawing including the information blocks contained within, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on the sheet without written authorization from the SCDOT Traffic Engineering office is prohibited.



DATE	REVISIONS
2014	ADD PLS
2014	KMC
2014	KMC
2014	RJD
2014	RECOMMENDED

SUBJECT TITLE	ST. ANDREWS SIGNAL UPGRADE
SPECIFIC LOCATION	ST. ANDREWS RD (S-36) & ASHLAND RD (S-946)
CITY	COLUMBIA
COUNTY	LEXINGTON
DESIGNED BY	KMC
DRAWN	KMC
CHECKED	RJD
REVIEWED	RJD
SCALE	1" = 30'
DATE	10/2013
SHEET NO.	OF
INDEX NO.	