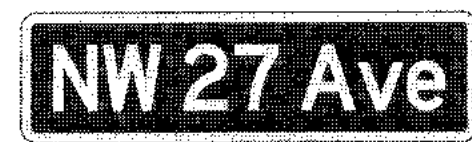


EXHIBIT A

DETAIL OF SIGNS

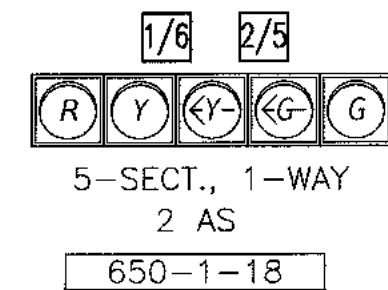


(A)
SINGLE-SIDED INTERNALLY
ILLUMINATED SIGN
RIGIDLY MOUNTED
SEE GUIDESIGN WORKSHEET T-10
2 EA 700-5-21

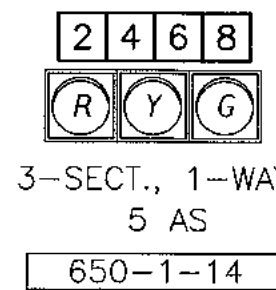


(B)
DOUBLE-SIDED INTERNALLY
ILLUMINATED SIGN
FREE SWINGING MOUNTED PER INDEX 17748
(INCLUDES CANTILEVER ARM)
SEE GUIDESIGN WORKSHEET T-10
1 EA 700-5-22

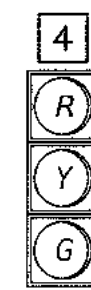
DETAIL OF SIGNAL HEADS



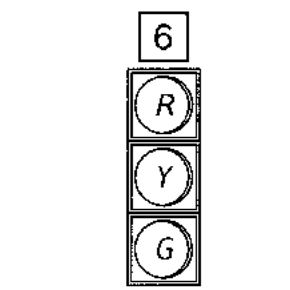
650-1-18



650-1-14



650-1-14
TO BE MOUNTED
ON ALUMINUM PEDESTAL
AT 12' FROM THE GROUND
(SEE DETAILS ON SHEET T-13)



650-1-14
TO BE MOUNTED
ON VERTICAL UPRIGHT OF
POLE (D) FACING EB TRAFFIC
AT 12' FROM THE GROUND



PED. SIGNAL
COUNT-DOWN
1-SECT., 1-WAY
2 AS
653-1-11



PED. SIGNAL
COUNT-DOWN
1-SECT., 2-WAY
2 AS
653-1-12

SIGNAL TIMING

CONTROLLER TIMINGS								
CONTROLLER PHASING TIMING FUNCTION NUMBER	1	2	3	4	5	6	7	8
FACE NUMBER	1	2	-	4	5	6	-	8
DIRECTION	EBL	WB	-	NB	WBL	EB	-	SB
INITIAL GREEN	4	12	-	6	4	12	-	6
VEHICLE EXT. GAP	1.5	3.0	-	2.0	1.5	3.0	-	2.0
MAXIMUM GREEN	10	45	-	20	10	45	-	20
MAX 2	-	-	-	-	-	-	-	-
YELLOW CLEARANCE	4.0	4.0	-	4.0	4.0	4.0	-	4.0
ALL RED CLEARANCE	2.0	2.0	-	2.0	2.0	2.0	-	2.0
WALK	-	7	-	7	-	7	-	-
PED CLEARANCE	-	16	-	30	-	16	-	-
FLASH OPERATION	-	YELLOW	-	RED	-	YELLOW	-	RED
PERMISSIVE	5-SEC	-	-	-	5-SEC	-	-	-

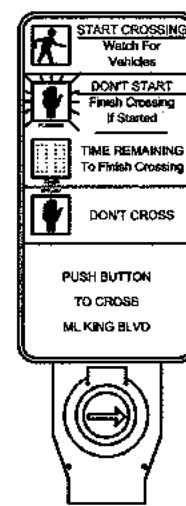
VIDEO DETECTION ASSIGNMENTS

VIDEO DETECTION UNIT #	ASSIGN TO MOVEMENT	ZONE
V1	2	OD-2
	5	OD-5
V2	1	OD-1
	6	OD-6
V3	4	OD-4
V4	8	OD-8

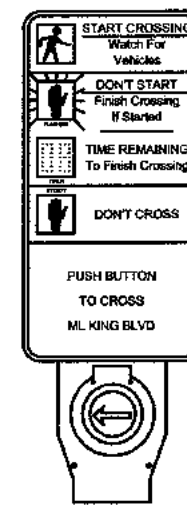
GENERAL NOTES:

- MAJOR STREET IS MARTIN LUTHER KING BLVD AND MINOR STREET IS NW 27 AVE.
- POSTED SPEEDS ARE AS FOLLOWS:
 - MARTIN LUTHER KING JR. BLVD IS 30 MPH
 - NW 27 AVE IS 30 MPH
- ** REF LINE REPRESENT A LINE PARALLEL TO MLK BLVD WHICH PASSES THROUGH THE MAST ARM POLE AND FOUNDATION. THE ANGLE SHOWN IS MEASURED COUNTERCLOCKWISE AROUND THE CENTER OF THE MAST ARM POLE AND FOUNDATION FROM THE CENTERLINE OF THE MAST ARM.
- STATIONS AND OFFSETS ARE REFERENCED TO MLK BLVD, UNLESS OTHERWISE NOTED.
- VIDEO DETECTION ZONES SHALL BE APPROXIMATELY 60 FEET LONG PER LANE, INCLUDING 10 FEET BEYOND THE STOP BAR.
- A CELLULAR ROUTER WILL BE USED TO PROVIDE COMMUNICATIONS TO THE NEW CABINET. PROVIDE CRADLE POINT 1BR650LPE-SP ROUTER. PLEASE PROVIDE 48 HOURS NOTICE TO THE COMMUNICATIONS MANAGER AT TED BEFORE CONSTRUCTION BEGINS.
- CONTRACTOR NEEDS TO COORDINATE THE DE-ENERGIZING OF THE OVERHEAD LINES WITH FPL REPRESENTATIVE CHRISTINA KALE AT (954) 956-2047 FOR INSTALLATION OF THE MAST ARM ASSEMBLIES.
- DRILLED SHAFTS FOR STRUCTURES 1, 2 AND 3 ARE EXISTING. PROPOSED MAST ARMS SHALL BE INSTALLED ON EXISTING FOUNDATIONS.
- EXISTING CURB-CUT RAMPS AT NW, NE AND SW QUADRANTS ARE EXISTING TO REMAIN.
- TACTILE ARROW OF ACCESSIBLE PEDESTRIAN PUSH BUTTONS MUST ALIGN WITH THE DIRECTION OF CROSSWALK.

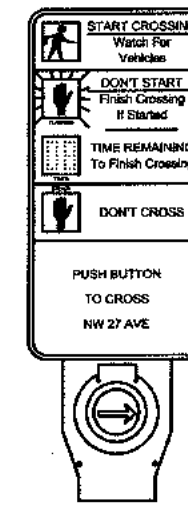
SIGNAL PEDESTRIAN DETAILS



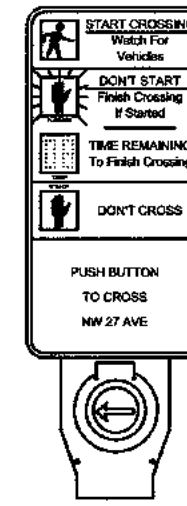
(C)
FTP-68B-06
9" X 18"
1 EA
AUDIBLE/TACTILE PEDESTRIAN
DETECTOR & SIGN SHALL BE
INCLUDED IN 665-1-12



(C1)
FTP-68B-06
9" X 18"
1 EA
AUDIBLE/TACTILE PEDESTRIAN
DETECTOR & SIGN SHALL BE
INCLUDED IN 665-1-12



(D)
FTP-68B-06
9" X 18"
2 EA
AUDIBLE/TACTILE PEDESTRIAN
DETECTOR & SIGN SHALL BE
INCLUDED IN 665-1-12



(D1)
FTP-68B-06
9" X 18"
2 EA
AUDIBLE/TACTILE PEDESTRIAN
DETECTOR & SIGN SHALL BE
INCLUDED IN 665-1-12

- LEGEND
- PEDESTRIAN ALUMINUM SIGNAL POLE WITH LED COUNTDOWN
 - PUSH BUTTON
 - STANDARD PULL BOX
 - VIDEO DETECTOR CAMERA
 - PROPOSED CONDUIT
 - INTERNALLY ILLUMINATED STREET NAME SIGN
 - 3 SECTION VERTICAL SIGNAL HEAD INSTALLED ON ALUMINUM/SIGNAL POLE
 - 3 SECTION SIGNAL HEAD
 - 5 SECTION SIGNAL HEAD
 - 3 SECTION VERTICAL SIGNAL HEAD
 - 6' X 60' VIDEO DETECTION ZONE
 - 4' X 60' VIDEO DETECTION ZONE (ON BIKE LANE)

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS
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Phone: 954.921.7781 • Fax: 954.921.8807
Certificate of Authorization 514

MARTIN LUTHER KING JR. BOULEVARD
ROAD IMPROVEMENTS
CITY OF POMPANO BEACH
BROWARD COUNTY FLORIDA

SIGNALIZATION PLAN

DIANA WHITE, P.E.
STATE OF FLORIDA PROFESSIONAL ENGINEER
LICENSE NO. 74598

SCALE: AS SHOWN
REFERENCE NO.: BCTED 180904060
PURPOSE OF THIS SET: PERMITTING
DATE: NOVEMBER, 2018

T-7