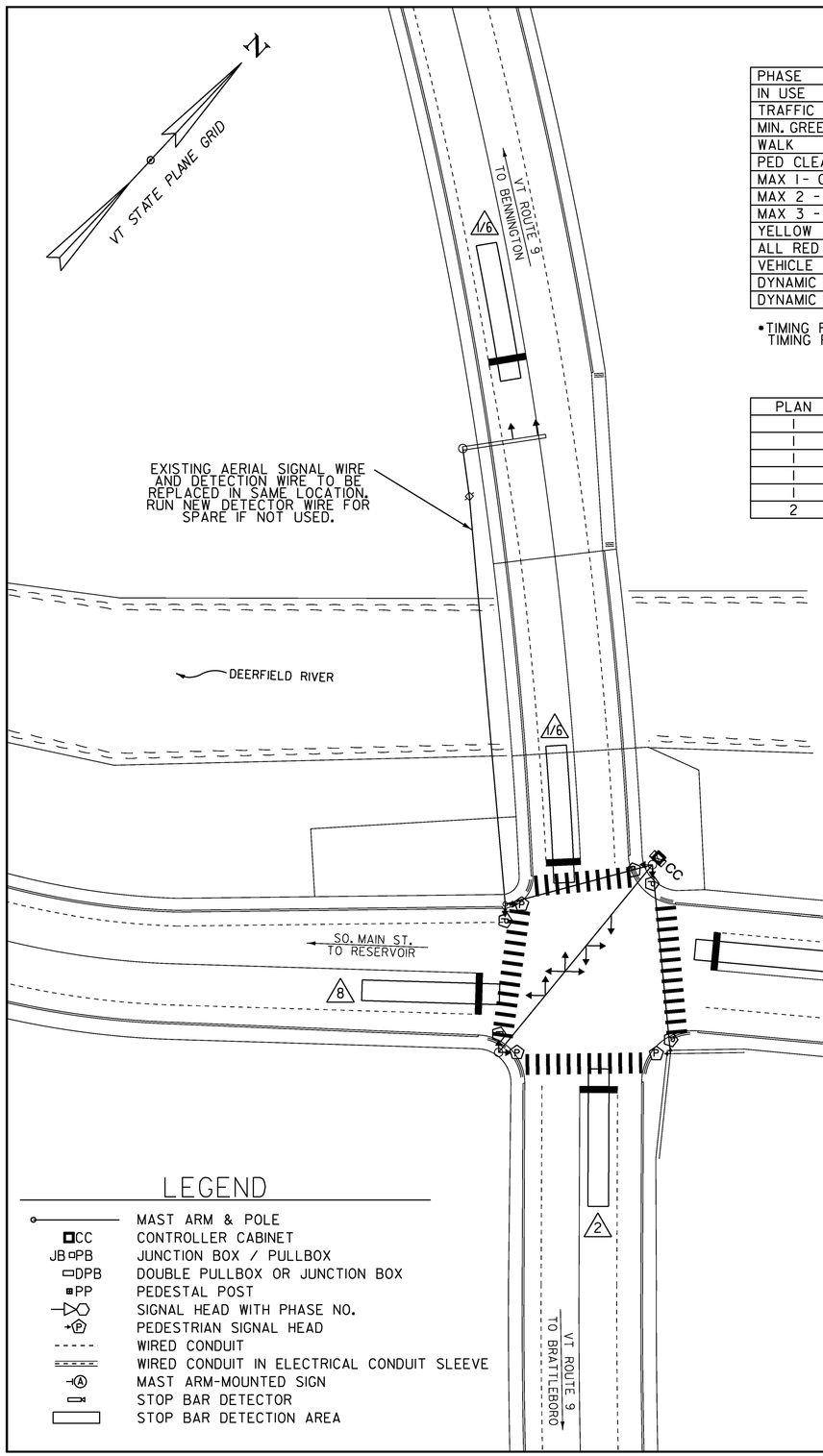


CONTROLLER TIMING CHART

PHASE	1	2	3	4	5	6	7	8	9
IN USE	X	X		X		X		X	X
TRAFFIC MOVEMENT	EBL	WB		SB		EBTHRU		NB	PED
MIN. GREEN	5	9		9		9		9	
WALK									7
PED CLEARANCE									12
MAX 1- GREEN (OFF)	8	25		25		25		25	
MAX 2 - GREEN (AM)	8	25		25		25		25	
MAX 3 - GREEN (PM)	8	25		25		25		25	
YELLOW CLEARANCE	4	4		4		4		4	
ALL RED CLEARANCE	0	2.5		2.5		2.5		2.5	
VEHICLE EXTENSION	0	3		3		3		3	
DYNAMIC MAX•				48•					
DYNAMIC STEP•				8•					

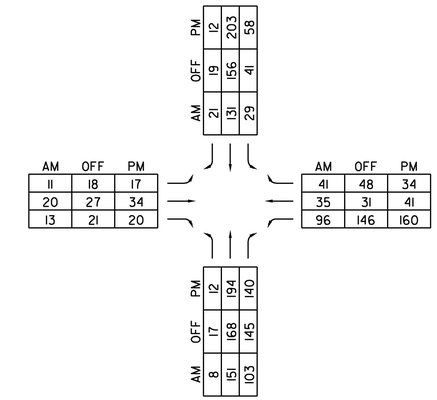
•TIMING PLAN 1 WITHOUT DYNAMIC MAX.
TIMING PLAN 2 USES SAME TIMINGS WITH DYNAMIC MAX ON PH 4.

TIME OF DAY PLAN

PLAN	EVENT	FLASH	REFERENCE	START TIME
1	1	NO	MAX 1	12:00 AM
1	2	NO	MAX 2	6:00 AM
1	3	NO	MAX 1	10:00 AM
1	4	NO	MAX 3	3:00 PM
1	5	NO	MAX 1	7:00 PM
2	1	NO	MAX 1	12:00 AM

TIMING PLAN

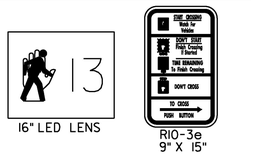
TIMING PLAN	WEEK OF YEAR
1	16-21, 24-45
2	1-15, 22-23, 46-53



PEAK HOURLY VOLUMES

FROM 2013 COUNT

PEDESTRIAN COUNTDOWN HEAD AND R10-3e SIGN



16" LED LENS

R10-3e
9" X 15"

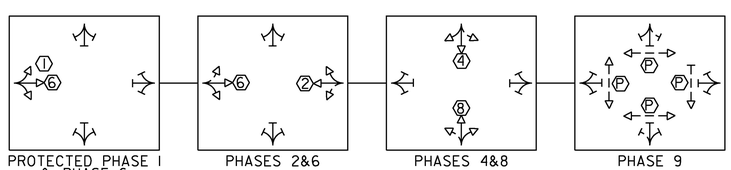
LIST OF MAJOR EQUIPMENT

EQUIPMENT ITEMS 678.15 - (VT ROUTE 9 & VT ROUTE 100)	QUANTITY	REMARKS
POWER METER WITH BYPASS AND DISCONNECT	1	MOUNTED ON STRAIN POLE
NEMA M TS2 POLE MOUNTED CONTROLLER CABINET WITH ANCILLARY EQUIPMENT	1	ALUMINUM FINISH
NEMA TS2 TRAFFIC SIGNAL CONTROLLER	1	ECONOLITE COBALT TS2, TYPE 2
MALFUNCTION MANAGEMENT UNIT (MMU)	1	ECONOLITE SMARTMONITOR MMU216-LE
ACCESSIBLE PEDESTRIAN PUSH BUTTON ASSEMBLIES	4	WITH R10-3e SIGN AND INCLUDING WIRING
LED COUNTDOWN PEDESTRIAN SIGNAL HEADS INCLUDING MOUNTING HARDWARE AND WIRING	8	MOUNTING CONFIGURATION TO MATCH EXISTING CONDITION
STOP BAR DETECTOR ASSEMBLY	5	WITH CABLE, MOUNTING BRACKETS AND CABINET INTERFACE
NEW 12-INCH LED SIGNAL HEADS - 3-SECTION WITH VISORS, BACKPLATES AND MOUNTING HDW.	9	MOUNTING CONFIGURATION TO MATCH EXISTING CONDITION
NEW 12-INCH LED SIGNAL HEADS - 5-SECTION WITH VISORS, BACKPLATE AND MOUNTING HDW.	1	MOUNTING LOCATION TO MATCH EXISTING CONDITION
NEW 24" LED BLANKOUT NO RIGHT TURN ON RED SIGNS, INCLUDING MOUNTING HARDWARE AND WIRING	4	MOUNTING LOCATIONS TO MATCH EXISTING CONDITION
SIGNAL WIRING	650 LF	ESTIMATED QTY - AS REQUIRED
SPAN WIRE	75 LF	ESTIMATED QTY - AS REQUIRED

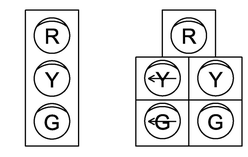
LEGEND

———	MAST ARM & POLE
CC	CONTROLLER CABINET
JB PB	JUNCTION BOX / PULLBOX
DPB	DOUBLE PULLBOX OR JUNCTION BOX
PP	PEDESTAL POST
	SIGNAL HEAD WITH PHASE NO.
P	PEDESTRIAN SIGNAL HEAD
- - - - -	WIRED CONDUIT
	WIRED CONDUIT IN ELECTRICAL CONDUIT SLEEVE
A	MAST ARM-MOUNTED SIGN
	STOP BAR DETECTOR
	STOP BAR DETECTION AREA

PHASING DIAGRAM



PROTECTED PHASE 1 & PHASE 6 | PHASES 2&6 | PHASES 4&8 | PHASE 9



FACES 2,4,6,8 FACE 1/6

0 20 40
SCALE IN FEET

PROJECT NAME: BENNINGTON-WILMINGTON
PROJECT NUMBER: NH SURF(51)

FILE NAME: t14v20lnul.dgn
PROJECT LEADER: M. FOWLER
DESIGNED BY: K. RECORD
TRAFFIC SIGNAL SYSTEM SHEET

PLOT DATE: 28-MAR-2017
DRAWN BY: K. RECORD
CHECKED BY: M. LACROIX
SHEET 56 OF 64