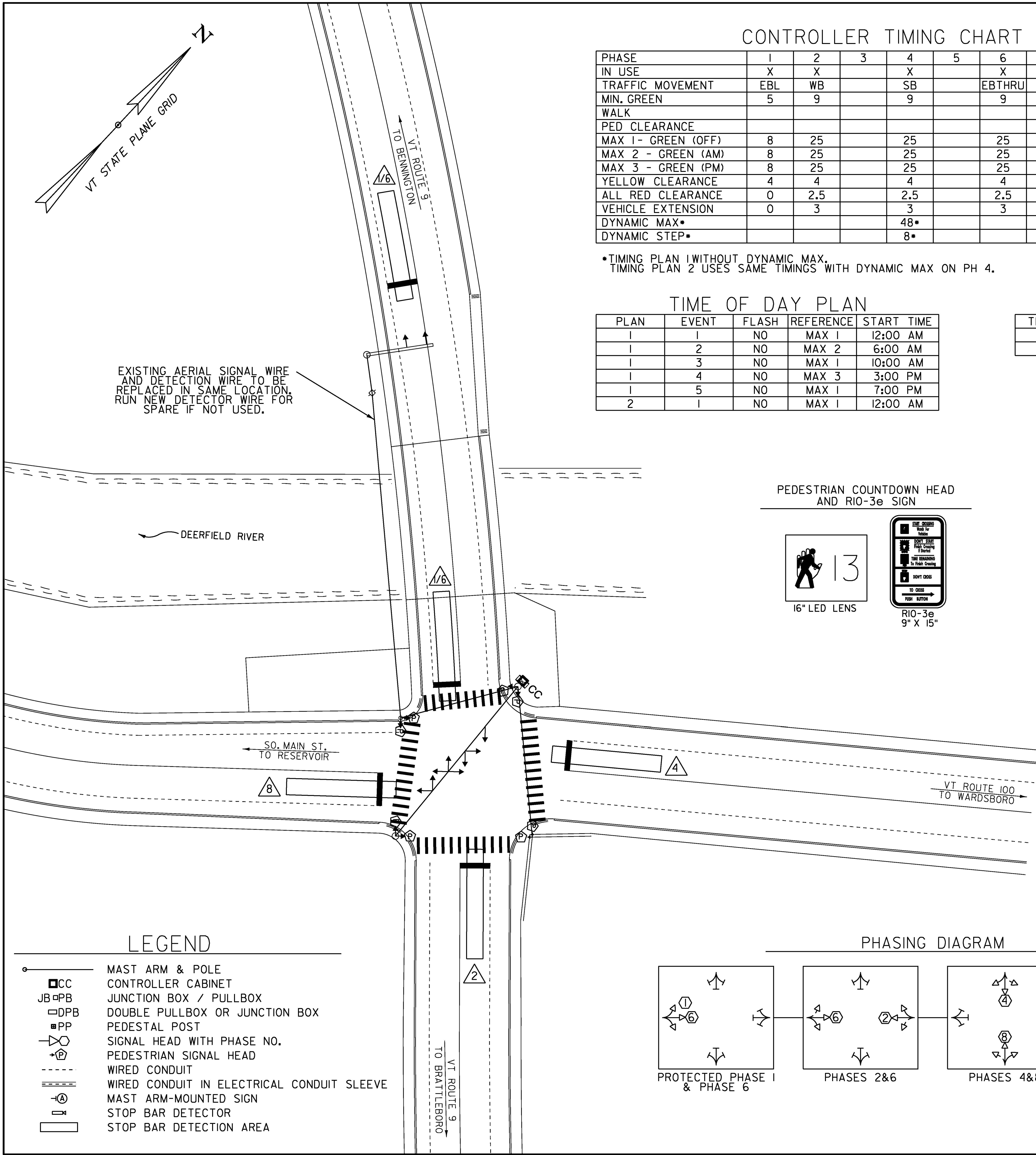




CONTROLLER TIMING CHART

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

AM	OFF	PM	AM	OFF	PM
11	18	17	41	48	34
20	27	34	35	31	41
13	21	20	96	146	160

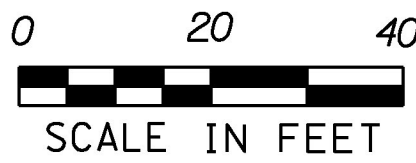
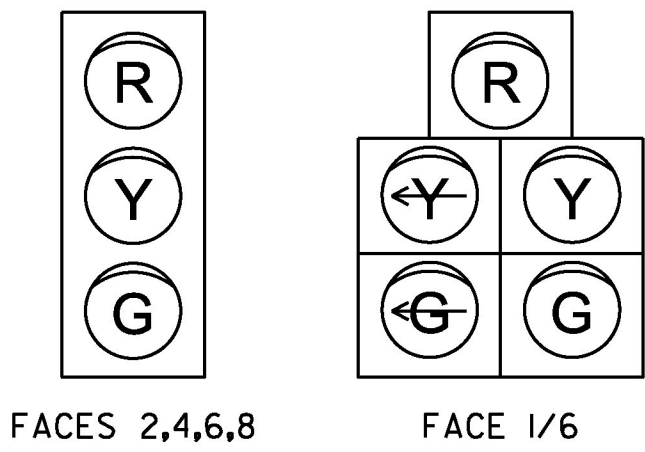
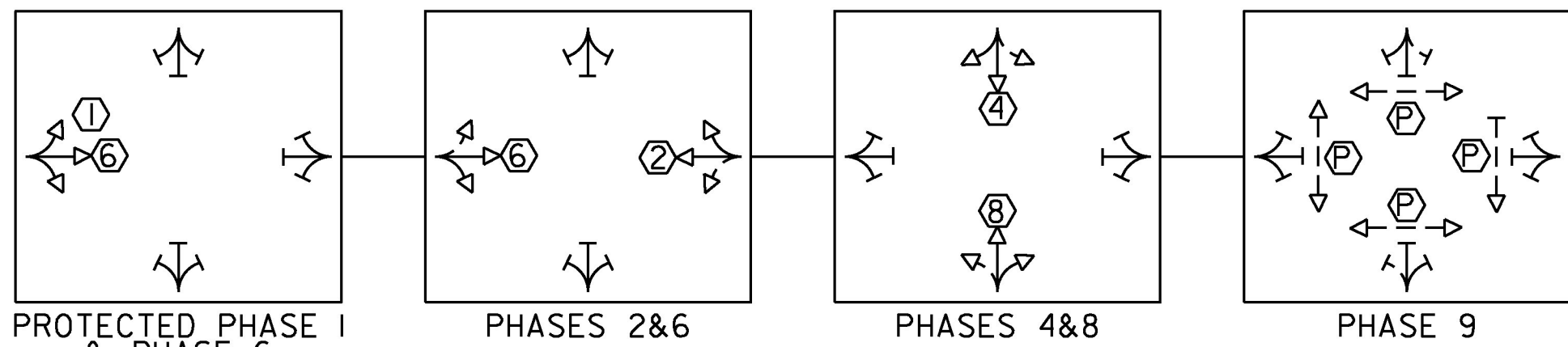
AM	OFF	PM	AM	OFF	PM
12	19	12	203	56	58
21	13	29	41	41	41

AM	OFF	PM	AM	OFF	PM
12	17	12	194	140	140
15	16	103	145	145	145

LIST OF MAJOR EQUIPMENT

EQUIPMENT ITEMS 678J5 - (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
MAFUNCTION MANAGEMENT UNIT (MMU)	1	ECONOLITE SMARTMONITOR MMU216-LE
ACCESSIBLE PEDESTRIAN PUSH BUTTON ASSEMBLIES	4	WITH RIO-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

PHASING DIAGRAM



PROJECT NAME:	BENNINGTON-WILMINGTON
PROJECT NUMBER:	NH SURF(51)
FILE NAME: t14v20lnu1.dgn	PLOT DATE: 28-MAR-2017
PROJECT LEADER: M. FOWLER	DRAWN BY: K. RECORD
DESIGNED BY: K. RECORD	CHECKED BY: M. LACROIX
TRAFFIC SIGNAL SYSTEM SHEET	SHEET 56 OF 64