

TRAFFIC SIGNAL LEGEND

- NEW WIRED CONDUIT
- NEW MAST ARM POLE WITH LUMINAIRE
- NEW TRAFFIC SIGNAL HEAD
- NEW PED POLE (PP) WITH PEDESTRIAN HEAD
- NEW JUNCTION BOX (JB)
- VEHICLE VIDEO DETECTION ZONE
- PREEMPTION DETECTOR
- PREEMPTION STROBE
- VIDEO DETECTION CAMERA
- INTERCONNECT ANTENNA

PAVEMENT MARKING LEGEND

- 3" SOLID WHITE STOP BAR
- 4" SOLID WHITE LINE
- LETTER OR SYMBOL
- DOUBLE 4" SOLID YELLOW LINES
- 12" SOLID WHITE CROSSWALK MARKINGS
- 4" DOTTED WHITE LINE
- 4" SOLID YELLOW LINE

ALL NEW MARKINGS SHALL BE DURABLE PAVEMENT TAPE, ATM 450 OR EQUAL, INSTALL PER MANUFACTURER'S RECOMMENDED PRACTICES.

ALL NEW SIGNS AND PAVEMENT MARKINGS SHALL MEET CURRENT MUTCD RETROREFLECTIVITY STANDARDS.

	PHASE 3-4	PHASE 2-4	PHASE 2-4 WITH RED	PHASE 4 & 6A	RED PREEMPTION
VEHICLE EXTENSION	2			2	
RIGHT TURN DELAY		5	5	5	
MINIMUM GREEN	7	5	5	7	
YELLOW CLEAR	4	4	4	4	4
RED CLEAR	2	2	2	2	2

	PHASE 1 GREEN	PHASE 2 GREEN	PHASE 3 GREEN	PHASE 4 GREEN	PHASE 5 GREEN
OFF PEAK (30 SECOND CYCLE)	9	43	4	43	2
AM PEAK (05:30 - 09:00 AM) (30 SECOND CYCLE)	7	51	4	51	2
PM PEAK (03:00 - 06:00 PM) (30 SECOND CYCLE)	15	47	4	47	2

NOTE: THESE SHALL BE NO SCHEDULED FLAMING TIME PERIODS. THE SIGNAL SHALL RUN ON OFF PEAK TIMINGS AT NIGHT.

* FINAL PREEMPTION TIMINGS TO BE DETERMINED AFTER INSTALLATION WITH INPUT FROM LOCAL FIRE/RESCUE DEPARTMENT.

PROPOSED SIGNAL TIMINGS

CONDUIT SCHEDULE

FROM	TO	WIRED CONDUIT	DESCRIPTION
UTILITY POLE	POWER STATION	3"	ELECTRICAL SERVICE
POWER STATION	CONTROLLER CABINET	3"	ELECTRICAL SERVICE
POWER STATION	MAST ARM POLE #1	3"	STREET LIGHT WIRING
POWER STATION	JB #1	4"	STREET LIGHT WIRING
JB #1	JB #2	7"	STREET LIGHT WIRING
JB #2	JB #3	5"	STREET LIGHT WIRING
JB #3	JB #4	4"	STREET LIGHT WIRING
JB #4	MAST ARM POLE #2	1"	STREET LIGHT WIRING
JB #4	JB #5	3"	STREET LIGHT WIRING
JB #5	MAST ARM POLE #3	5"	STREET LIGHT WIRING
CONTROLLER CABINET	MAST ARM POLE #1	2"	ANTENNA COAX LEAD-IN
CONTROLLER CABINET	MAST ARM POLE #1	2"	SIGNAL WIRING
CONTROLLER CABINET	JB #1	3"	SIGNAL WIRING
JB #1	PEDESTAL POLE #1	5"	SIGNAL WIRING
JB #1	JB #2	7"	SIGNAL WIRING
JB #2	PEDESTAL POLE #2	5"	SIGNAL WIRING
JB #2	JB #3	5"	SIGNAL WIRING
JB #3	JB #4	4"	SIGNAL WIRING
JB #4	MAST ARM POLE #2	1"	SIGNAL WIRING
JB #4	JB #5	3"	SIGNAL WIRING
JB #5	MAST ARM POLE #3	5"	SIGNAL WIRING

FROM	TO	CONDUIT	DESCRIPTION
JB #1	JB #2	7"	SPARE
JB #2	JB #3	5"	SPARE
JB #3	JB #4	4"	SPARE
JB #4	JB #5	3"	SPARE



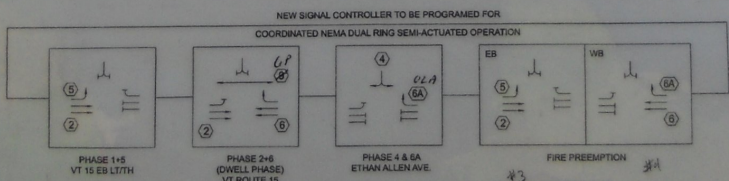
THE CONTRACTOR SHALL NOTIFY 'DIGSAFE' AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.

2010 AAWDT	2020 AAWDT
AM	OFF
9	16
11	17
711	1810 1907

VT ROUTE 15

2010 AAWDT	2020 AAWDT
AM	OFF
112	60 63
1600	1044 1100

VT ROUTE 15



PROPOSED SIGNAL PHASING

LIST OF MAJOR EQUIPMENT

EQUIPMENT	QUANTITY
MAST ARM POLES & FOUNDATIONS	3
12" POLYCARBONATE TRAFFIC SIGNAL HEADS WITH TUNNEL VISORS AND MOUNTING HARDWARE	7
3-SECTION HEAD	1
S-SECTION HEAD	1
LED HAND-ARM COUNTDOWN PEDESTRIAN SIGNAL HEADS	2
PEDESTAL POLE & FOUNDATIONS	2
ACCESSIBLE PEDESTRIAN PUSH BUTTON ASSEMBLY	2
JUNCTION BOXES	5
VIDEO CAMERAS	3
WIRELESS INTERCONNECT & YAGI ANTENNA	1
GROUND MOUNT SIGNAL CONTROLLER CABINET & CONTROLLER	1
EMERGENCY PREEMPTION SYSTEM	1
EMERGENCY PREEMPTION SYSTEM (80 ALTERNATE #1)	1

THE QUANTITIES LISTED ABOVE ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY. MISCELLANEOUS (UNLISTED) WIRE, CABLE, HARDWARE ETC. ARE REQUIRED TO PROVIDE FOR A FUNCTIONING TRAFFIC SIGNAL SYSTEM.

07-2946

FINAL PLAN

Chittenden County
Transportation Authority
VT ROUTE 15 / ETHAN ALLEN AVE

SIGNAL LAYOUT

LD Lamoreaux & D
Consulting Eng'g
14 Morse Drive, Essex,
VT 05730-0000