

# LIST OF MAJOR EQUIPMENT

ITEM DESCRIPTION	U.S. ROUTE 7 & WEBSTER ROAD	U.S. ROUTE 7 & LONGMEADOW DR.	U.S. ROUTE 7 & BAY ROAD	U.S. ROUTE 7 & LAKEVIEW DR.	U.S. ROUTE 7 & MARTINDALE ROAD	U.S. ROUTE 7 & PINE HAVEN SHORES	U.S. ROUTE 7 & LOCUST HILL DR.
ITEM 678.15							
CANTILEVERS	4	4	4	3	4	4	
PEDESTAL POST	2	1	1	2	1	1	
NEW 12" TRAFFIC SIGNAL HEADS W/ TUNNEL VISORS & MOUNTING HARDWARE							
CANTILEVER ARM MOUNTED							
A) ONE-WAY 3 SEC.	8	6	6	6	6	6	
B) ONE-WAY 3 SEC. ARROWS		2	2	2	2	2	
LOUVERED BACKPLATE (12")	4	4	4	4	4	4	
TWO SECTION HAND/MAN PEDESTRIAN HEADS W/ VISORS & MOUNTING HARDWARE							
A) SIDE MOUNTED (ONE-WAY)	2	3	3	2	1	1	
B) SIDE MOUNTED (TWO-WAY)		1	1	1	1	2	
C) POST TOP MOUNTED (ONE-WAY)	2	1	1	2	1		
D) POST TOP MOUNTED (TWO-WAY)						1	
PEDESTRIAN AUDIO SIGNALS	4	6	6	6	4	6	
PED PUSHBUTTON W/SIGN	4	6	6	6	4	6	
ECONOLITE ASC/25-2100 CONTROLLER W/CABINET	1	1	1	1	1	1	
CONTROLLER PROGRAMMING EQUIPMENT	1	1	1	1	1	1	
LUMINAIRES	2	2	3	2	2	3	
POWER DROP STANCHION	1	1	1	1	1	1	
LED "NO TURN ON RED"		2	2	2	2	2	
SIGNAL NUMBER	MS-511	MS-507	MS-508	MS-512	MS-513	MS-509	
PRE-EMPTION EQUIPMENT (SEE NOTE 9)	1	1	1	1	1	1	

\* - FOUR (4) MAST ARMS ON THREE (3) POLES

### N.O.T.E.S.:

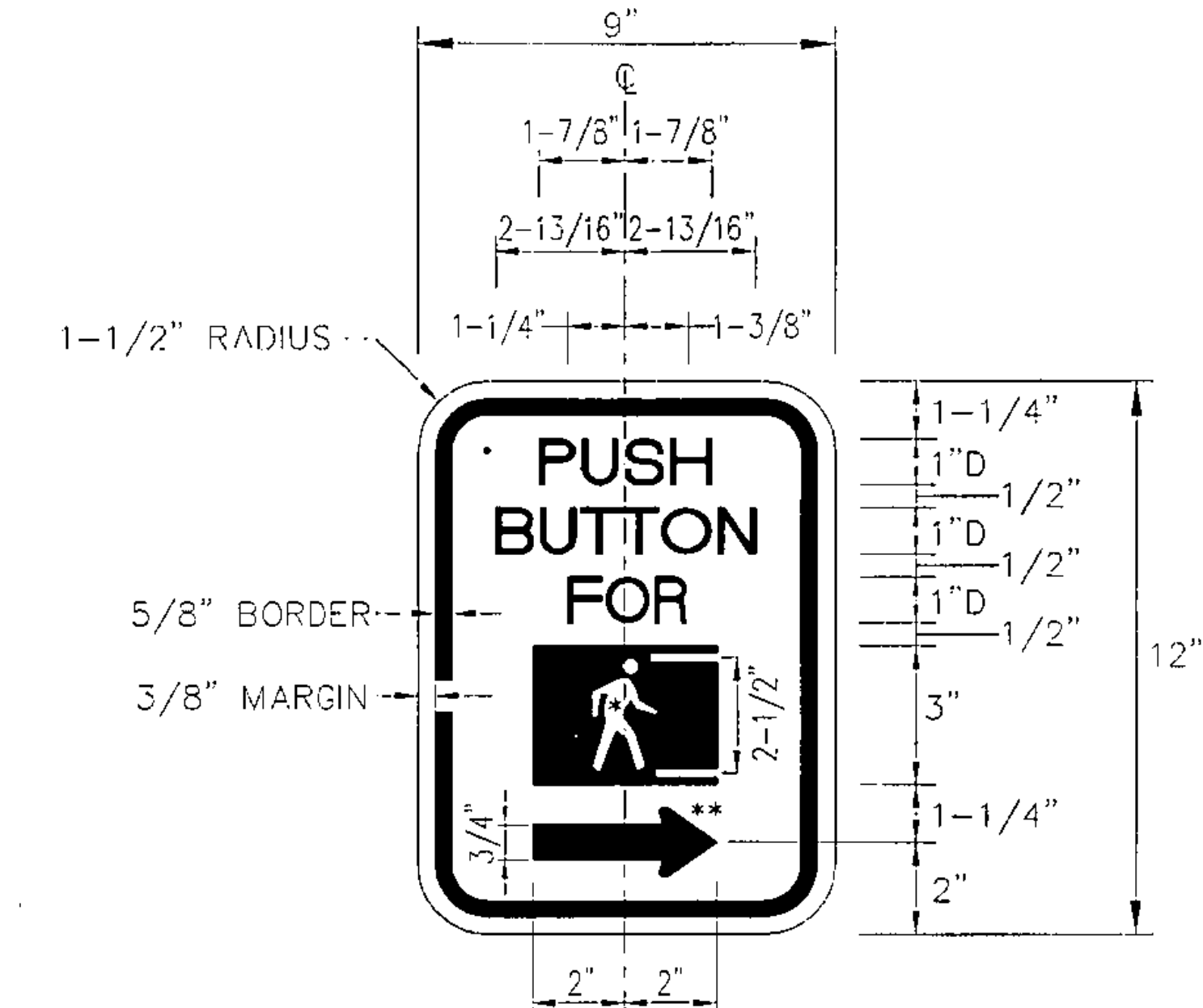
- THE QUANTITIES LISTED ABOVE ARE APPROXIMATE AND FURNISHED FOR GENERAL INFORMATION ONLY. ANY ITEM NOT LISTED, BUT REQUIRED AS PART OF THE SIGNAL SYSTEM DESIGN SHALL BE INCLUDED AS PART OF ITEM 678.15. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE NUMBER OF ITEMS AND TYPES OF EQUIPMENT REQUIRED TO PROVIDE FOR THE SIGNAL SYSTEM DESIGN AS SHOWN.
- SEE LAYOUT FOR LENS ARRANGEMENTS.
- ALL CANTILEVER ARM AND OVERHEAD SIGN SUPPORT MOUNTED SIGNALS SHALL USE ASTRO-BRAC HARDWARE WITH A TERMINAL COMPARTMENT. ALL FIXED MOUNTED HEADS SHALL HAVE TERMINAL COMPARTMENTS.
- PEDESTRIAN SIGNAL HEADS SHALL HAVE 9" SYMBOLS.
- PEDESTRIAN AUDIO SIGNALS SHALL BE INSTALLED, TESTED AND THEN DISCONNECTED.
- SEE SIGNAL DRAWINGS 10 & 11 FOR CANTILEVER DETAILS
- SEE SIGNAL DRAWINGS 3 THROUGH 8 FOR QUANTITIES AND LOCATIONS FOR OTHER SIGNAL ITEMS (CONDUIT, SLEEVES, LOOPS, PULLBOXES, JUNCTION BOXES, INTERCONNECT, ETC.)
- ALL CANTILEVER PARTS SHALL HAVE A BLACK FINISH.
- CONTROLLER CABINET SHALL BE EQUIPPED WITH 3M OPTICOM PRIORITY CONTROL SYSTEM, OR APPROVED, COMPATIBLE EQUIPMENT.

DATUM  
VERTICAL NCVD 1929  
HORIZONTAL NAD 1927

# FIRE PRE-EMPTION PHASING

		U.S. ROUTE 7						
		FIRE PRE-EMPT (NB)			FIRE PRE-EMPT (SB)			
		R/W	CLEAR TO		R/W	CLEAR TO		
			02+6	01+5		02+6	01+5	
PM PEAK	PLAN 1	PED W/CL						
	VEHICLE							
	MINIMUM							
OFF PEAK	PLAN 2	PED W/CL						
	VEHICLE							
	MINIMUM							
AM PEAK	PLAN 3	PED W/CL						
	VEHICLE							
	MINIMUM							
		MAX	4	2	4	2	4	2
		OFFSET						
		PED W/CL						
		VEHICLE						
		MINIMUM						
		MAX	4	2	4	2	4	2
		OFFSET						
		PED W/CL						
		VEHICLE						
		MINIMUM						
		MAX	4	2	4	2	4	2
		OFFSET						
		FACE 1	R	R	R	R	R	
		FACE 2	R	R	R	R	R	
		FACE 4	R	R	R	R	R	
		FACE 5	R	R	R	R	R	
		FACE 6	R	R	R	R	R	
		FACE 8	R	R	R	R	R	
		PED A	H	H	H	H	H	
		PED B	H	H	H	H	H	
		SIGN A	B	B	B	B	B	
		SIGN B	B	B	B	B	B	

NOTE: SEE SIGNAL DRAWINGS 3 THROUGH 8 FOR ADDITIONAL TIMING & PHASING DIAGRAMS



- SEE STD. SHEET E-152 FOR DESIGN
- VARIABLE LEGEND - SEE BELOW
  - A) RIGHT FACING FIGURE & ARROW (13)
  - B) LEFT FACING FIGURE & ARROW (15)
  - C) RIGHT FACING FIGURE & NO ARROW (4)

NOTE: PEDESTRIAN SIGNS SHALL BE SUBSIDIARY TO THE TRAFFIC SIGNAL ITEM 678.15

COLORS:  
LEGEND - BLACK (NON-REFL.)  
BACKGROUND - WHITE (REFL.)  
SYMBOL - WHITE (REFL.)  
SEE STD. SHEET E-140 FOR MATERIALS

PROPERTY OF:  
**VT. AGENCY OF TRANS.  
MAINTENANCE DIV.**

IN EMERGENCY CALL:  
DIST. TRANS. OFFICE  
655 - 1580 COLCHESTER  
NIGHTS & WEEKENDS : 878-7111  
INTERSECTION NO. MS-XXX

4"

5.0"

A = 2/10"  
B = 3/10"  
C = 2.5/10"

LEGEND: BLACK (NON-REFL.) - STAMPED PRIOR TO PAINTING  
BACKGROUND: NATURAL ALUMINUM OR BRASS SURFACE

- VARIES, SEE SIGNAL DRAWINGS FOR INTERSECTION NUMBER

### CONTROLLER IDENTIFICATION PLAQUE

- THIS PLAQUE SHALL BE MOUNTED ON ALL TRAFFIC SIGNAL CONTROLLER CABINETS. IT SHALL BE FASTENED TO THE CONTROLLER CABINET IN SUCH A MANNER AS TO BE NOT EASILY REMOVED, SUCH AS WELDED, RIVETED OR BOLTED WITH VANDAL PROOF BOLTS.
- THE LETTERS SHALL BE PUNCHED OR STAMPED, SUCH STAMPING SHALL PENETRATE AT LEAST 1/2 THE BASE MATERIAL THICKNESS.
- THE BASE MATERIAL FOR THE PLAQUE SHALL BE BRASS OR ALUMINUM WITH A MINIMUM THICKNESS OF 0.100 INCHES.

SHELBURNE

SURVEYED BY V.S.C. INC. DATE \_\_\_\_\_  
DRAWN BY E.A.A. INC. DATE \_\_\_\_\_  
TRACED BY E.A.A. INC. DATE \_\_\_\_\_

PROJECT NH-EGC-019-4(27)  
SIGNAL DRAWING NO. 2  
SHEET NO. 220 OF 537

4/13/04