

SEE TRAFFIC SIGNAL SHEET 6 FOR MAST ARM CROSS SECTIONS
 SEE PAVEMENT MARKINGS AND SIGNS LAYOUT SHEETS
 SEE TRAFFIC SIGNAL SHEET 4 FOR SIGNAL COORDINATION CHART
 SEE TRAFFIC SIGNAL SHEET 4 FOR CONTROLLER TIMING & LOOP DETECTOR TABLES

HIGHLAND AVE & HIGH SCHOOL DRIVEWAY

ELECTRICAL CONDUIT SLEEVE (6") (PVC)	WIRED CONDUIT (2") (PVC)	WIRED CONDUIT (1/2") (PVC)	SIGNAL FACE ARRANGEMENT 12" LENSES	SIGN DETAIL
HIGHLAND AVE WESTBOUND CROSSING - 34'	PP1A TO JB1 - 36' 40"	LOOP 8A TO JB1 - 4'		
HIGH SCHOOL DRIVEWAY CROSSING - 54' 52"	JB1 TO PP1B - 44' 15"	LOOP 8B TO JB1 - 4'		
HIGHLAND AVE. EASTBOUND CROSSING - 48' 49"	PP1B TO PP1C - 58' 64"	JB1 TO PP1B - 44' 18"		
	PP1C TO PP1D - 24' 20"	PP1B TO PP1C - 58' 64"		
	PP1D TO JB3 - 50' 55"	LOOP 6 TO JB2 - 4'		
	PP1E TO JB3 - 4'	JB2 TO PP1C - 40' 8"		
	JB3 TO CONTROLLER - 40' 32"	PP1C TO PP1D - 24' 20"		
	PP1F TO CONTROLLER - 44' 17"	PP1D TO JB3 - 50' 55"		
		LOOP 4 TO JB3 - 4'		
		JB3 TO CONTROLLER - 40'		

CONTROLLER IDENTIFICATION PLAQUE 1/2" RADIUS

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

IN EMERGENCY CALL:
 DIST. TRANS. OFFICE
 295-8888

NIGHTS & WEEKENDS: 250-0163

INTERSECTION NO. MS-406

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

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

NOTES:

- 1.) THE 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.
- 2.) THE LETTERS SHALL BE PUNCHED OR STAMPED, SUCH STAMPING SHALL PENETRATE AT LEAST 1/2 THE BASE MATERIAL THICKNESS.
- 3.) THE BASE MATERIAL FOR THE PLAQUE SHALL BE BRASS OR ALUMINUM WITH A MINIMUM THICKNESS OF 0.100 INCHES.

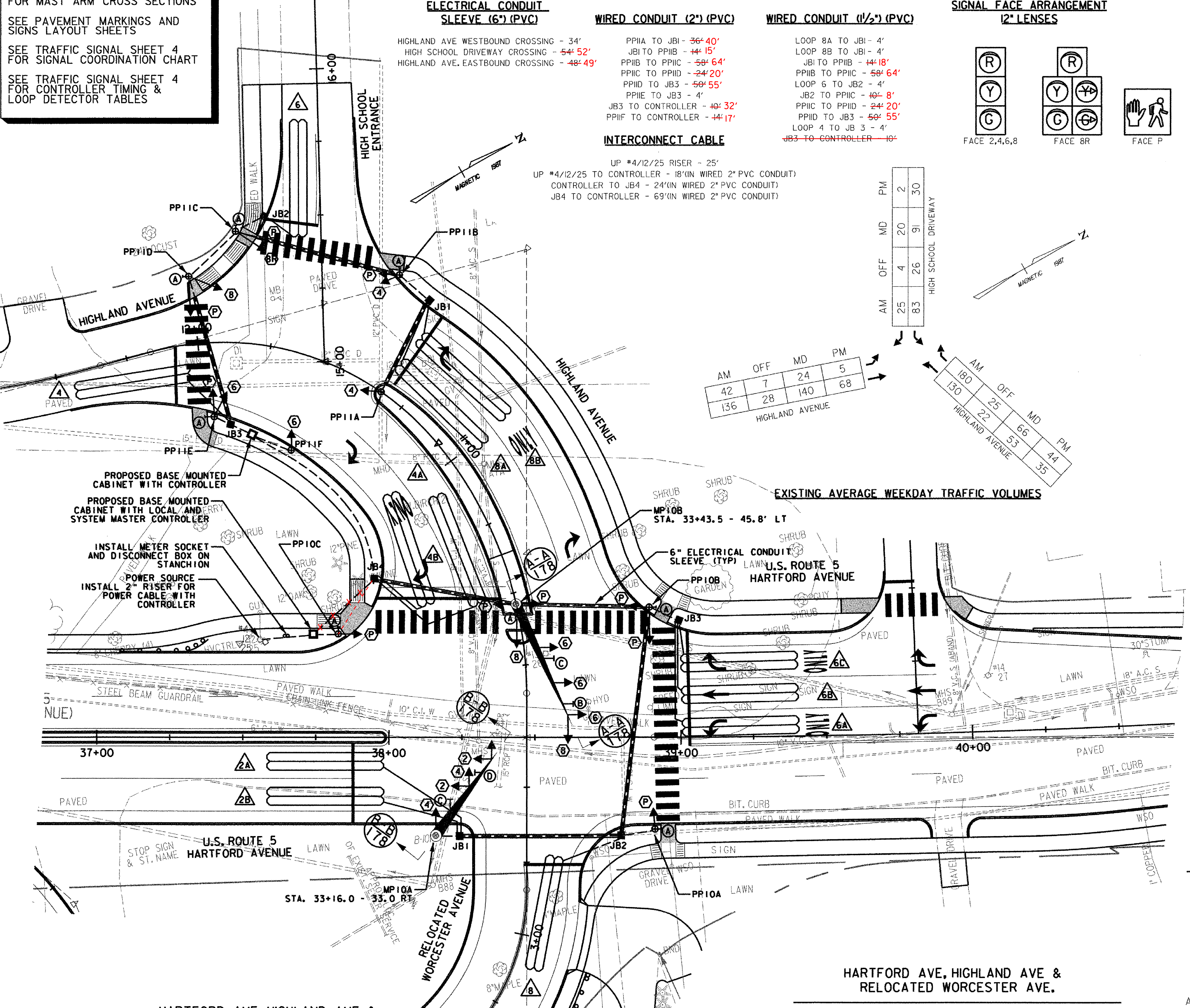
MAJOR EQUIPMENT LIST

EQUIPMENT ITEM NO. 678.15	US ROUTE 5 REL. WORCESTER AVE. HIGHLAND AVE.	HIGHLAND AVE HIGH SCHOOL DRIVE
CANTILEVER POLES W/MAST ARMS	2	6
PEDESTAL POSTS	3	6
NEW 12" TRAFFIC SIGNAL HEADS W/ TUNNEL VISORS, DISCONNECT HANGERS, BACKPLATES AND MOUNTING HARDWARE	4	5
ONE-WAY, 3-SECTION	-	1
ONE-WAY, 5-SECTION	-	-
TWO-WAY, 3-SECTION	3	-
12" FIBER OPTIC INTERNATIONAL SYMBOL PEDESTRIAN HEAD W/VISOR AND MOUNTING HARDWARE	2	4
SIDE MOUNTED POST TOP MOUNTED	4	-
CONTROLLER/CABINET *MS-406	1*	1
POWER DROP STANCHION	1	-
MALFUNCTION MANAGEMENT UNIT (MMU) TESTER	-	1
LOOP DETECTOR TESTER	-	1
BUS INTERFACE UNIT (BIU) TESTER	-	1
SPREAD SPECTRUM RADIO ASSEMBLY	1	-

EQUIPMENT	ITEM NO.	UNIT	US ROUTE 5 REL. WORCESTER AVE. HIGHLAND AVE.	HIGHLAND AVE HIGH SCHOOL DRIVE
INTERCONNECT CABLE	678.20	LF	136	-
VEHICLE LOOP DETECTOR **	678.22	LF	1240	590
WIRED CONDUIT (1/2") (PVC)	678.23	LF	296	182
WIRED CONDUIT (2") (PVC)	678.23	LF	493	210
JUNCTION BOX	678.26	EA	4	3
ELECTRICAL CONDUIT SLEEVE (6") (PVC)	678.30	LF	218	136

** THE QUANTITIES LISTED ARE FOR SAW CUTTING ONLY, LEAD-IN WIRES AND/OR SHIELDED CABLE QUANTITIES FROM THE EDGE OF PAVEMENT OR CURB ARE NOT INCLUDED IN THE TOTAL. SEE STANDARD SPECIFICATION.

THE QUANTITY 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. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE NUMBER OF ITEMS AND THE TYPES OF EQUIPMENT REQUIRED.



EXISTING AVERAGE WEEKDAY TRAFFIC VOLUMES

AM	OFF	MD	PM
42	7	24	5
136	28	140	68

HIGHLAND AVENUE

HARTFORD AVE, HIGHLAND AVE & RELOCATED WORCESTER AVE.

SIGNAL FACE ARRANGEMENT 12" LENSES

SIGN DETAIL

FACE 4,6,8 FACE 2 FACE P

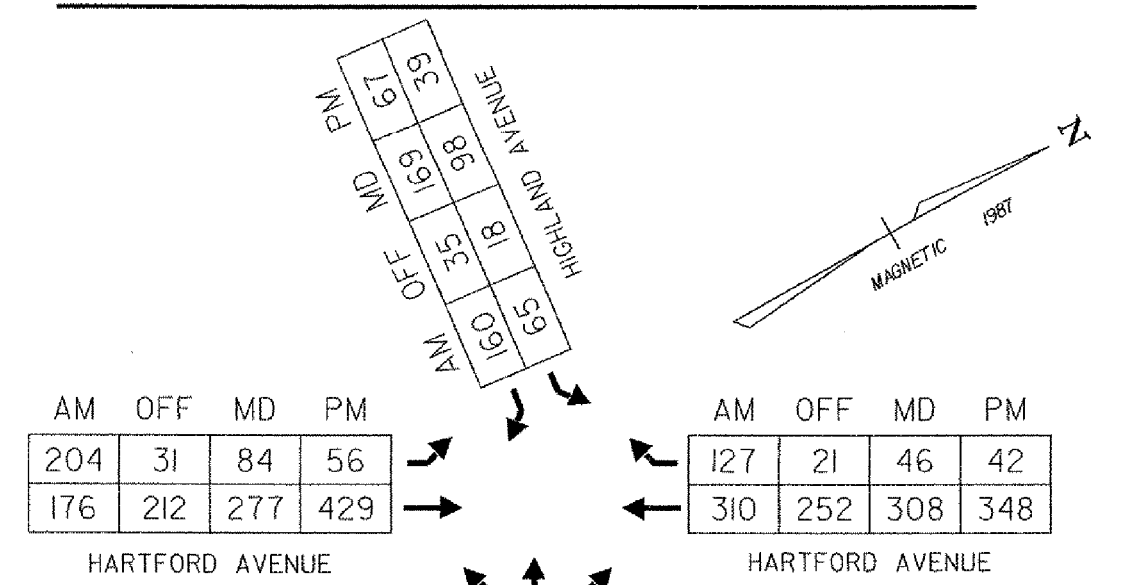
R10-4 9'x12' (A)

R3-5L 30"x36" (B)

R3-5R 30"x36" (C)

R3-2 24"x24" (D)

HARTFORD AVE, HIGHLAND AVE & RELOCATED WORCESTER AVE.



EXISTING	NEW	LEGEND
		MAST ARM POLE (MP)
		STRAIN POLE (SP)
		CONTROLLER CABINET
		PULL BOX (PB)/ JUNCTION BOX (JB)
		SIGNAL HEAD
		CONDUIT
		VEHICLE LOOPS
		PEDESTAL POST (PP)
		MAST ARM MOUNTED SIGN
		STANCHION

HARTFORD AVE, HIGHLAND AVE & RELOCATED WORCESTER AVE.

ELECTRICAL CONDUIT SLEEVE (6") (PVC)	WIRED CONDUIT (2") (PVC)	WIRED CONDUIT (1/2") (PVC)
RELOCATED WORCESTER AVE. CROSSING - 50'	MP10A TO JB1 - 0' 6"	LOOP 2A TO JB1 - 4'
U.S. ROUTE 5 CROSSING - 78' 75"	JB1 TO JB2 - 58'	LOOP 2B TO JB1 - 4'
HIGHLAND AVE. DEPARTURE LANES CROSSING - 44'	PP10A TO JB2 - 58' 12"	JB1 TO JB2 - 58'
HIGHLAND AVE. APPROACH LANES CROSSING - 46'	JB2 TO PP10B - 80'	LOOP 8 TO JB2 - 10'
	PP10B TO MP10B - 46' 44"	LOOP 6A TO JB3 - 4'
	MP10B TO JB4 - 50' 46"	LOOP 6B TO JB3 - 4'
	PP10C TO CONTROLLER - 28' 20"	LOOP 6C TO JB3 - 4'
	PP10C TO CONTROLLER - 10'	JB2 TO PP10B - 80'
	UT*4/12/25 RISER - 25'	PP10B TO MP10B - 46' 44"
	UT*4/12/25 TO STANCHION - 40' 16"	MP10B TO JB4 - 50' 46"
	STANCHION TO CONTROLLER - 40' 8"	LOOP 4B TO JB4 - 4'
	JB3 TO CONTROLLER - 28' 146"	JB4 TO CONTROLLER - 28'
	JB4 TO CONTROLLER (HIGHLAND AVE) - 70' 87"	

PROJECT: HARTFORD	PROJECT NO.: RS 0113(40)
DESIGN FILE NAME: z027bdr.DGN	PLOT DATE: 1/15/2007
IPARM FILE NAME:	SURVEY DATE: 1/87
SURVEYED BY: FANTONI	DRAWN BY: E. ATKINS
SQUAD LEADER: KEN UPMAL	SHEET: 175 OF 239

DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A

