LIST OF MAJOR EQUIPMENT

EQUIPMENT ITEM 678.40	QUANTITY
POWER METER ON STANCHION	1
BREAKER PANEL ON STANCHION	1
TRAFFIC SIGNAL CONTROLLER (NEMA TS2)	1
NEMA POLE MOUNTED CONTROLLER CABINET WITH ANCILLARY CONTROL EQUIPMENT	1
WESTERN RED CEDAR OR SOUTHERN PINE WOODEN STRAIN POLE	2
ONE WAY, 3-SECTION, 12-INCH POLYCARBONATE LED TRAFFIC SIGNAL HEAD WITH TUNNEL VISORS AND 5" LOUVERED BACK-PLATES	6
ONE WAY, 4-SECTION, 12-INCH POLYCARBONATE LED TRAFFIC SIGNAL HEAD WITH TUNNEL VISORS AND 5" LOUVERED BACK-PLATES	1
SPECIAL PROVISION, (GPS TIME CLOCK)	1
STOP BAR DETECTOR	3

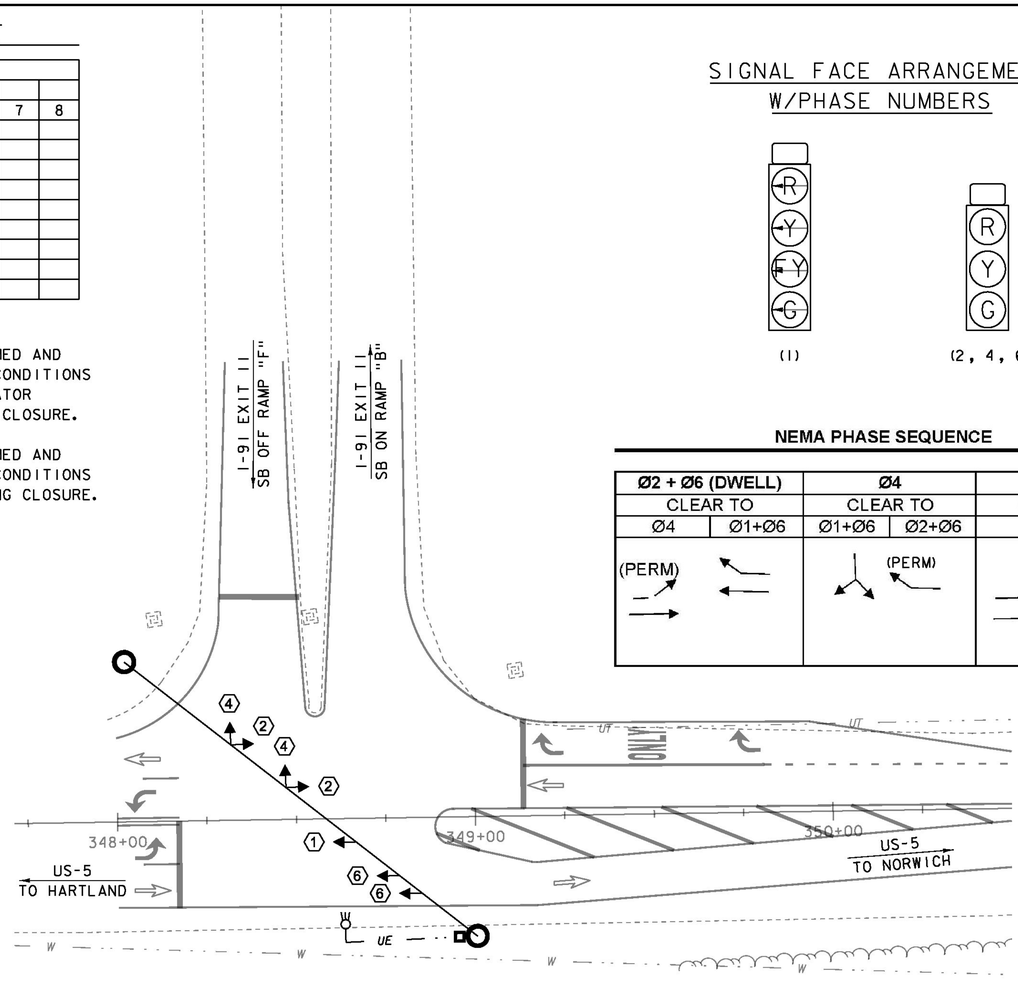
CONTROLLER TIMING CHART

US ROUTE 5 & SOUTHBOUND RAMPS								
	5NL	5ST		91S		5NT		
PHASE	1	2	3	4	5	6	7	8
TRAFFIC MOVEMENT	↗	←		↙↘		→		
MINIMUM GREEN	5	10		7		10		
MAXIMUM 1 GREEN	15	45		20		45		
MAXIMUM 2 GREEN	30	50		20		50		
MAXIMUM 3 GREEN	25	40		60		40		
YELLOW CLEARANCE	4.0	4.0		4.0		4.0		
ALL RED CLEARANCE	2.0	2.0		2.0		2.0		
VEH. EXTENSION	3.0	3.0		3.0		3.0		
RECALL MODE	OFF	MIN		OFF		MIN		

NOTES:

1) CONTROLLER SHALL BE INITIALLY PROGRAMMED AND FINE-TUNED BASED ON PREVAILING FIELD CONDITIONS FOR MAXIMUM 1, MAXIMUM 2, AND COORDINATOR PROGRAMMING BY TIME-OF-DAY DURING NON-CLOSURE.

2 CONTROLLER SHALL BE INITIALLY PROGRAMMED AND FINE-TUNED BASED ON PREVAILING FIELD CONDITIONS FOR MAXIMUM 3 PROGRAMMING 24 / 7 DURING CLOSURE.



SIGNAL FACE ARRANGEMENT W/PHASE NUMBERS

N

VT STATE PLANE GRID

NEMA PHASE SEQUENCE

Ø2 + Ø6 (DWELL)		Ø4		Ø1 + Ø6
CLEAR TO		CLEAR TO		CLEAR TO
Ø4	Ø1+Ø6	Ø1+Ø6	Ø2+Ø6	Ø2+Ø6
(PERM)			(PERM)	

US 5/SB RAMPS — **NIC/TOD STEP PROGRAMMING PERIODS OF OPERATION (NON-CLOSURE)**

WEEK PROG	DAY OF WEEK SUN	MON	TUE	WED	THU	FRI	SAT
WEEK 1	5	6	6	6	6	6	5

STEP	PROGRAM	TIME	C/O/S	FL	MAX 2	MAX 3
1	5	0:00	0/0/1			
2	5	6:00	0/0/1		X	
3	5	10:00	2/1/1			
4	5	17:00	0/0/1		X	
5	6	0:00	0/0/1			
6	6	6:00	1/1/1			
7	6	9:00	2/1/1			
8	6	16:00	3/1/1			
9	6	18:00	0/0/1		X	

COORDINATOR C/O/S PROGRAMMING DATA

	C/O/S 1/1/1		C/O/S 2/1/1		C/O/S 3/1/1	
CYCLE LENGTH	80		80		110	
	SECS	%	SECS	%	SECS	%
OFFSET (Begin Green)	0	0%	13	16%	24	22%
SPLIT TIME Φ1	21	26%	21	26%	36	33%
SPLIT TIME Φ2	33	41%	36	45%	53	48%
SPLIT TIME Φ3	0	0%	0	0%	0	0%
SPLIT TIME Φ4	26	33%	23	29%	21	19%
SPLIT TIME Φ5	0	0%	0	0%	0	0%
SPLIT TIME Φ6	54	68%	57	71%	89	81%
SPLIT TIME Φ7	0	0%	0	0%	0	0%
SPLIT TIME Φ8	0	0%	0	0%	0	0%

COORDINATION NOTES:

1. OFFSET IS REFERENCED TO THE BEGINNING OF THE COORDINATED (Φ2+Φ6) PHASE GREEN.
2. FORCE OFFS SHALL BE SET TO FIXED.

US 5/SB RAMPS — **NIC/TOD STEP PROGRAMMING PERIODS OF OPERATION (CLOSURE)**

WEEK PROG	DAY OF WEEK SUN	MON	TUE	WED	THU	FRI	SAT
CLOSURER WEEK 2	2	2	2	2	2	2	2

STEP	PROGRAM	TIME	C/O/S	FL	MAX 2	MAX 3
10	2	0:00	0/0/1			X

LEGEND

- CONTROLLER CABINET
- EXISTING STREET LIGHT
- SIGNAL HEAD AND PHASE NUMBER
- STRAIN POLE
- UE — UNDERGROUND ELECTRICAL CONDUIT

US5 TEMPORARY TRAFFIC SIGNAL PLAN 1

SCALE 1" = 20'-0"
20 0 20

PROJECT NAME: HARTFORD
PROJECT NUMBER: IM 091-2(79)

FILE NAME: sl2al32bdr_rte5_sig.dgn
PROJECT LEADER: K. HIGGINS
DESIGNED BY: J. SALVATORI
US5 TEMPORARY TRAFFIC SIGNAL PLAN 1

PLOT DATE: 15-DEC-2014
DRAWN BY: J. SALVATORI
CHECKED BY: I. DEGUTIS
SHEET 47 OF 166