620/2M

NONE	MOVEMENT DIAGRAM							
N T O R	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8

FACE #	FLASH	PHASE 1 GRN	PHASE 1 CL	PHASE 1 CL	PHASE 2 GRN	PHASE 2 CL	PHASE 2 CL	PHASE 3 GRN	PHASE 3 CL	PHASE 3 CL	PHASE 4 GRN	PHASE 4 CL	PHASE 4 CL	PHASE 5 GRN	PHASE 5 CL	PHASE 5 CL	PHASE 6 GRN	PHASE 6 CL	PHASE 6 CL	PHASE 7 GRN	PHASE 7 CL	PHASE 7 CL	PHASE 8 GRN	PHASE 8 CL	PHASE 8 CL
1	Y	G ←	G ←Y	G	G	Y	R				R	R	R	R	R	R									
2	Y	G	G	G	G	Y	R				R	R	R	R	R	R									
3	Y	R	R	R	G	Y	R				R	R	R	R	R	R									
4	R	R	R	R	R	R	R				G	Y	R	R	R	R									
5	R	R	R	R	R	R	R				R	R	R	G	Y	R									
					← YIELD																				

INTERVALS	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8
MIN GRN	6	15		9	5			
WALK				15				
PED CLR				1				
VEH EXT				1				
MAX 1	6	15		23	5			
MAX 2	10	15		25	5			
YELLOW	3.0	3.0		3.0	3.0			
RED	0.1	2.0		1.0	1.0			
ADD INI								
MAX INI								
TBR								
TTR								
MIN GAP								
MODE	MAX RECALL	MAX RECALL	OFF	NON-LOCK	LOCK	OFF	OFF	OFF
INI START		THIS PHASE						

ENERGY BY – TOWN | METER # –
MAINT 24hr ☐ Norm ☒ | SERVICE POLE – HELT #382

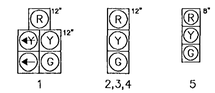
INTERSECTION # 063–230

SERVICE IS UNMETERED

OFFICE RECORD

STC#	SM#

SIGNAL FACES



ALL CIRCULAR RED INDICATIONS TO HAVE L.E.D. LAMPS

LEGEND

R RED
Y YELLOW
G GREEN
◄R- RED ARROW
◄Y- YELLOW ARROW
◄- GREEN ARROW
W⊘ WALK/FL. D.W.
D.W. DON'T WALK
FL. FLASHING
◁— TRAFFIC SIGNAL FACE
▯— PED. SIGNAL FACE
▫ PED. PUSH BUTTON & SIGN

EXISTING
● WOOD SPAN POLE
▣ HANDHOLE
⊞ STEEL SPAN POLE
⊘ UTILITY POLE
■ PEDESTAL MOUNTING
CONTROLLER

LOOP DETECTOR
■ MAGNETIC DETECTOR
●-● MAGNETOMETER PROBES
SD SYSTEM DETECTOR
DET. LEADS IN SAWCUT
CABLE CLOSURE
STRAIN INSULATOR
RADIO ANTENNA
(R.M.C.) RIGID METAL CONDUIT
AUXILIARY TERMINATION CABINET
AUXILIARY EQUIPMENT CABINET
OPTICAL DETECTOR

PROPOSED
○ WOOD SPAN POLE
▣ HANDHOLE
⊠ STEEL SPAN POLE
⊘ UTILITY POLE
□ PEDESTAL MOUNTING
CONTROLLER
MICROWAVE DETECTOR

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS OFFICE OF TRAFFIC ENGINEERING

TRAFFIC CONTROL SIGNAL

CITY OF HARTFORD
S.R. 530 (AIRPORT RD.) AT
LOCUST STREET

REV.# 8

	TRAFFIC DATE	ELECTRICAL DATE
FIELD SURVEY	CITY OF HARTFORD	July 1996
ENGINEER		
DRAFTER		
CHECKED BY		
SUBMITTED BY		
APPROVED BY		
DATE		

DETECTORS

IDENT	SIZE (W.xL)	TURNS	MODE
D4	6' x 6'	3	PRESENCE
D4A	6' x 6'	3	8" DELAY

PROGRAM

FUNCTION	TIME	DAYS
FLASH	2200–0500	DAILY
MAX 1	ALL OTHER TIMES	
MAX 2	0600–0900	M–F
	1500–1800	M–F
DIAL 1	ALL OTHER TIMES	
DIAL 2	0900–1500	M–F
DIAL 3	0600–0900	M–F
	1500–1800	M–F

COORDINATION TYPE – TIME CLOCK / TBC

CYCLE	PHASE SPLITS Ø1	Ø2	Ø3	Ø4	%/SEC Ø5	Ø6	Ø7	Ø8	OFFSET SEC	%	PERMIS PERIOD Ø	SEC
CYCLE1 70												
CYCLE2 80												
CYCLE3 90												

SYSTEM LOC. MASTER
063–245
063–230
063–290

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY

1. PEDESTRIAN PUSHBUTTONS TO CALL PHASE 4.
2. PHASE 1 TO ALWAYS PRECEDE PHASE 2
   PHASE 2 ON TO OMIT PHASE 1

F.H.W.A. REGION NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARTFORD	STPH-1882(1)	63-XXX	1996	SR530	13 A	19

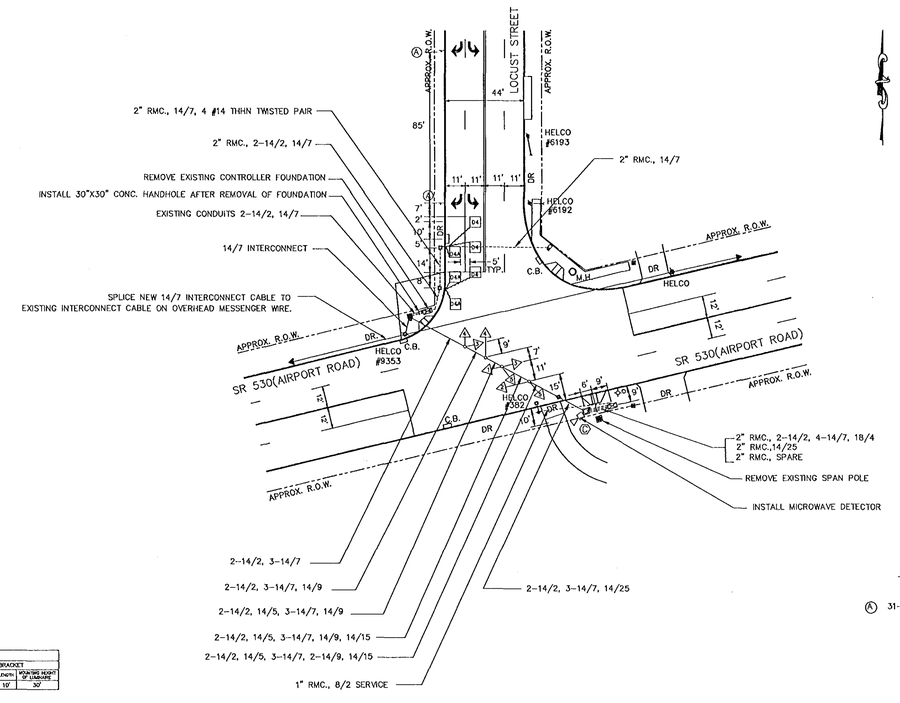
CONSTRUCTION NOTES

1. ALL TRAFFIC SIGNAL EQUIPMENT IS NEW EXCEPT SPAN POLES.
2. INSTALL AN 8 PHASE CONTROLLER IN A TYPE C CABINET ON A TYPE IV CONTROLLER FOUNDATION. CONTROLLER TO OPEN TOWARDS FIELD SIDE.
3. DETECTORS TO BE INSTALLED 3 FEET FROM EDGE OF ROAD AND 8 FEET APART UNLESS OTHERWISE SPECIFIED. WHERE NEW PAVEMENT IS TO BE PROVIDED THE DETECTORS ARE TO BE INSTALLED IN BASE COURSE OR EXISTING PAVEMENT. SEGMENTED LOOPS TO BE SPLICED IN SERIES.
4. EACH FOUNDATION SHOWN CONTIGUOUS WITH THE STREET LINE SHALL NOT BE PLACED CLOSER THAN 6 INCHES TO THE STREET LINE.
5. STAKE R.O.W. PRIOR TO EXCAVATION.
6. UNLESS NOTED OTHERWISE ALL EXISTING SIGNAL EQUIPMENT IS TO BE REMOVED AND RETURNED TO:

   THE STATE OF CONNECTICUT
   134 BROOK STREET
   ROCKY HILL

7. CABLE CLOSURE SHOULD BE LOCATED 5 FEET± FROM THE CURB NEAREST TO THE CONTROLLER.
8. INSTALL HANDHOLES APPROXIMATELY 1 FOOT BEHIND THE CURB UNLESS NOTED OTHERWISE.

REV.# 8 | INTERSECTION # 063–230



SIGN LEGEND

Ⓐ 31-0390Z ONLY ONLY

SPAN POLE REQUIREMENTS								
POLE TYPE	SHAFT SIZE					BRACKET		
	LENGTH	LOAD AT YIELD (#)	SIGNAGE SQ.FOOT	MAXIMUM DEFLECTION AT SIGNAGE SQ.FOOT	BOLT CIRCLE	TYPE	LENGTH	SIGNAGE HEIGHT OF LUMINAIRE
●	33'	10,000 lbs.	4000 lbs.	10.3"	23"	SINGLE ARM	10'	30'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS OFFICE OF TRAFFIC ENGINEERING

TRAFFIC CONTROL SIGNAL LAYOUT

CITY OF HARTFORD
S.R. 530 (AIRPORT RD.) AT
LOCUST STREET

SCALE: 1" = 40'

REV.# 8 | INTERSECTION # 063–230

CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
DIVISION OF TRAFFIC

TRAFFIC CONTROL SIGNAL PLAN

620/2M

620/2M