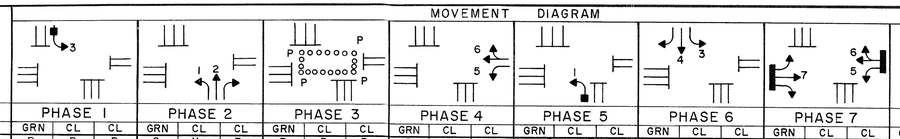
FORM TRA-035 REV. 1-88

F.H.W.A. REGION NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	BRISTOL	-	-	1990			

MOVEMENT DIAGRAM



NTOR	PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8		
	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
1	R	R	R	G	Y	R	R	R	R	R	R	R	R/←①	R/←Y③	R	R	R	R	R	R	R			
2	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R			
3	R/←①R/←Y①		R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R			
4	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R			
5	R	R	R	R	R	R	R	R	R	G/←-	G/←Y-	G	R	R	R	R	R	R	G	Y	R			
6	R	R	R	R	R	R	R	R	R	G	G	G	R	R	R	R	R	R	G	Y	R			
7	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R			
P	DW	DW	DW	DW	DW	DW	W Ø	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW			
MIN.	5	3	0	10	3	0	15	0	-	5	3	0	5	3	0	10	3	0	10	3	0			
MAX.	20	5	2	50	5	2	25	2	-	20	5	2	20	5	2	50	5	2	50	5	2			
MIN GRN	5			25			0			7			5			25			8					
WALK	-			-			7			-			-			-			-					
PED CLR	-			-			15			-			-			-			-					
VEH EXT	3			-			-						3			-			4					
MAX I	10			25						7			10			25			25					
MAX 2	15			30						12			15			30			35					
YELLOW		3			3			0.1			3			3			3			3				
RED			1			1			0			0			1			1			1			
ADD INI																								
MAX INT																								
TBR																								
TTR																								
MIN GAP																								
MODE	LOCK			MAX RECALL			NON-LOCK			NON- LOCK			LOCK			MAX RECALL			LOCK					
INI START				THIS PHASE												THIS PHASE								

FLASHING OPERATION

1	Y
2	Y
3	Y
4	R
5	R
6	R
7	R
P	OFF

MAINT
24 hr ☐
Norm ☒

ENERGY BY-CITY
SERVICE POLE-

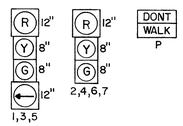
OFFICE RECORD

JOB # SM #
SIGNAL REVISED
-NEW EIGHT PHASE, BASE MOUNTED CONTROLLER, TRAFFIC SIGNAL HEADS, TRAFFIC CONTROL CABLE, PEDESTRIAN SIGNAL HEADS, PUSH BUTTONS, SIGNS AND VEHICLE DETECTORS.

INTERSECTION # 017-257

NORMAL 1.147 kW 730 hr/mo 837 kWh/mo
FLASH kW hr/mo kWh/mo

SIGNAL FACES



-SIGNAL FACES 1,3 & 5 TO HAVE 12" BI-COLORED YELLOW/ GREEN TURN ARROW.

LEGEND

R RED
Y YELLOW
G GREEN
←R- RED ARROW
←Y- YELLOW ARROW
←G- GREEN ARROW
WØ WALK/FL DW
DW DON'T WALK
FL FLASHING
PROPOSED WOOD SPAN POLE
EXISTING WOOD SPAN POLE
PROPOSED STEEL SPAN POLE
EXISTING STEEL SPAN POLE
PROPOSED UTILITY POLE
EXISTING UTILITY POLE
PEDESTAL MOUNTING
PEDESTRIAN PUSH BUTTON AND SIGN
TRAFFIC SIGNAL FACE
PEDESTRIAN SIGNAL FACE
LOOP DETECTOR
MAGNETIC DETECTOR
SD SYSTEM DETECTOR
CONTROLLER
HANDHOLE
(RMC) RIGID METAL CONDUIT
STRAIN INSULATOR
MAGNETOMETER PROBES
CABLE CLOSURE
DET. LEADS IN SAW CUT
AUXILIARY TERMINATION CABINET
RADIO ANTENNA

TOWN SIGNAL

STATE OF CONNECTICUT
DEPT OF TRANSPORTATION
BUREAU OF HIGHWAYS
DIV. OF TRAFFIC ENGINEERING

TRAFFIC CONTROL SIGNAL

CITY OF BRISTOL
RT. 72 (RIVERSIDE AVE.) AT
MAIN ST.

	TRAFFIC	DATE	ELECTRICAL	DATE
FIELD SURVEY	VANASSE HANGEN		VANASSE HANGEN	
ENGINEER	BRUSTLIN, INC.		BRUSTLIN, INC.	
DRAFTER				
CHECKED BY				
SUBMITTED BY				
APPROVED BY				
DATE				

DETECTORS

IDENT	SIZE	TURNS	MODE
D1	6'x20'	3	PRESENCE
D2	6'x20'	3	PRESENCE
D3	6'x15'	3	PRESENCE
D4	6'x25'	3	PRESENCE
S1	6'x6'	3	SYSTEM
S2	6'x6'	3	SYSTEM

PROGRAM

FUNCTION	TIME	DAYS
FLASH	-	-
MAX I	ALL TIMES	DAILY
MAX 2	FUTURE	

COORDINATION

CYCLE SAFETY CRT	OFFSET %/SEC	YIELD PT %	PERMIS PERIOD	FORCE OFF % Ø	Ø	Ø

SYSTEM LOC
MASTER
TO BE DETERMINED

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY

CONTROLLER TO BE EQUIPPED WITH ALL NECESSARY INTERNAL COMMUNICATION COMPONENTS FOR INCLUSION INTO CITY MASTER TRAFFIC CLOSED LOOP SYSTEM.

PHASE 4 TO PRECEED PHASE 7
① FACE 3 ARROWS CONTROLLED BY PHASE 1
2 FACE 3 G,Y,R CONTROLLED BY PHASE 6
③ FACE 1 ARROWS CONTROLLED BY PHASE 5
4 FACE 1 G,Y,R CONTROLLED BY PHASE 2
5 PHASE 2 AND 6 ON TO OMIT PHASE 1 AND 5
6 PHASE 7 CHECK TO CALL PHASE 4 VEHICLE DETECTOR
7 PHASE 6 AND PHASE 3 ON TO OMIT PHASE 7

CONSTRUCTION NOTES

1. RETAIN EXISTING SPAN POLES.
2. CONTRACTOR TO INSTALL NEW BASE MOUNTED EIGHT PHASE CONTROLLER ON NEW FOUNDATION ON SOUTHWEST CORNER.
3. CONTRACTOR TO INSTALL TWO(2) 8' ALUMINUM PEDESTALS ON NORTHWEST AND SOUTHEAST CORNERS ON EXISTING FOUNDATIONS.
4. CONTRACTOR TO INSTALL EIGHT(8) NEW VEHICLE TRAFFIC SIGNAL HEADS AND TRAFFIC CONTROL CABLE.
5. CONTRACTOR TO INSTALL TWO(2) TWO-WAY PEDESTAL MOUNTED PEDESTRIAN SIGNALS AND TWO(2) TWO-WAY POLE MOUNTED PEDESTRIAN SIGNALS WITH PUSH BUTTONS AND SIGNS.
6. CONTRACTOR TO INSTALL SIX(6) WIRE LOOP VEHICLE DETECTORS (D1, D2, D3, D4 AND S1, S2) WITH LEAD-INS.
7. ELECTRICAL SERVICE TO CONTROLLER TO BE COORDINATED WITH CL&P.
8. EXISTING PAVEMENT MARKINGS AND SIGNING TO BE RETAINED UNLESS OTHERWISE NOTED.
9. ALL EXISTING TRAFFIC CONTROL EQUIPMENT REMOVED DURING CONSTRUCTION SHALL BE DELIVERED TO THE CITY OF BRISTOL UNLESS DIRECTED OTHERWISE.

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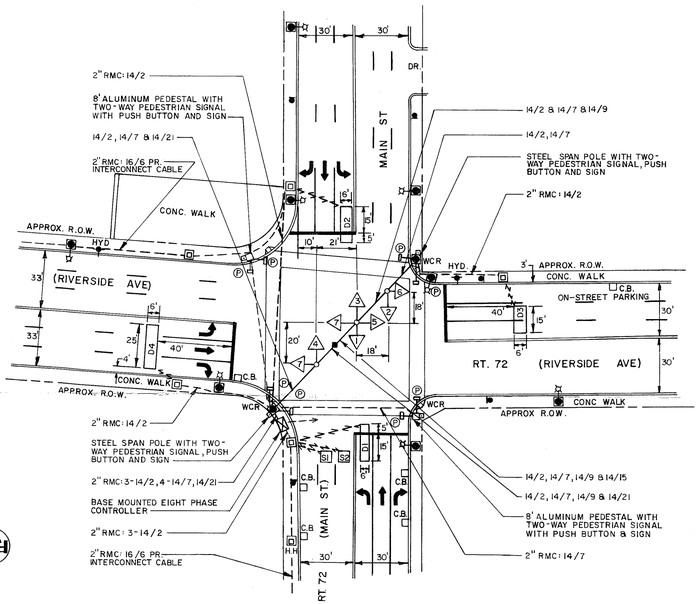
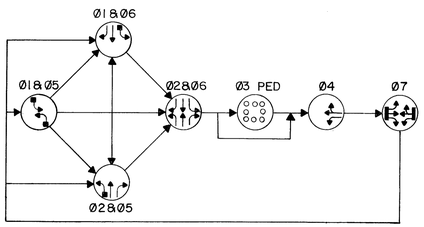


NOTE: PAVEMENT MARKINGS AND SIGNING TO BE INSTALLED AND MAINTAINED BY THE CITY OF BRISTOL AND/OR CONNDOT IN ACCORDANCE WITH CURRENT STANDARDS.

PHASING DIAGRAM



TOWN SIGNAL

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
DIV. OF TRAFFIC ENGINEERING

TRAFFIC CONTROL SIGNAL LAYOUT

CITY OF BRISTOL
RT. 72 (RIVERSIDE AVE.) AT
MAIN ST.

SCALE: 1" = 40'

REV. # | INTERSECTION # 017-257

TOWN SIGNAL

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

TRAFFIC CONTROL SIGNAL