FL. SIGN #011-220 & 011-221

MOVEMENT DIAGRAM

SIGNAL FACES

1,5,7   2,6   3,8   4

ALL INDICATIONS HAVE LED LAMPS
FACE 3 TO HAVE TUNNEL VISORS

OFFICE RECORD
REVISION #6

JOB # _____ SM # N/A
SIGNAL REVISED: 7-26-95
WIDEN OAKLAND ST. AND REPLACED SIGNAL EQUIPMENT
REVISION #7
SIGNAL REVISED: 9-25-97
INSTALLED INTERCONNECT AND NEW PRE-EMPTION EQUIPMENT AND INSTALLED RED LED LAMPS UNDER PROJ. No. 17-138.
INCLUDED IN CLOSED LOOP SYSTEM.
REVISION #8
SIGNAL REVISED: 12-29-03
INSTALLED GREEN, YELLOW AND ARROW LEDS.
REVISION #9
TRAFFIC DES.: BFS   ELECT. DES.: DKS
SIGNAL REVISED: 8-11-10
RE-INSTALLED D1 & D2 LOOP DETECTORS AFTER MILLING AND PAVING UNDER PROJ. No. 17-148.
REVISION #10
TIR# N/A   SM# N/A
TRAFFIC DESIGN: RJP   ELECT. DESIGN: MAJ
SIGNAL REVISED:
REPLACED EXISTING "SIGNAL AHEAD" SIGN WITH 41-0833 "SIGNAL AHEAD" AND INSTALLED 12" LED FLASHERS UNDER PROJECT 170-3254.
REVISION #11
SIGNAL REVISED:
REVISE LANE ARRANGEMENT ON OAKLAND STREET SOUTHBOUND APPROACH TO ADD LEFT LANE AND PHASE 3 DETECTION BY CITY OF BRISTOL.

PRE-EMPTION SETTINGS

	PRE-EMPT 1
PRIORITY	NO
DET. LOCK	YES
DELAY	0
ALT. MIN. GRN	5
ALT. YELLOW	NO
ALT. RED	NO
ALT. PED. CLR	NO
HOLD GREEN	15
HOLD YELLOW	3
HOLD RED	2
HOLD PHASE	2&6
EXIT PHASE	3
EXIT CALL	NONE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING & CONSTRUCTION
DIVISION OF TRAFFIC ENGINEERING

CITY OF BRISTOL
U.S. ROUTE 6 AT OAKLAND ST.

FACE INTERVALS / SIGNAL FACE TABLE (PHASES 1–8)

(Signal face indication table — columns NTOR, PHASE 1 through PHASE 8, each with GRN/CL/CL sub-columns; rows FACE # 1–8, indications R, Y, G, R►, ◄R, etc. LED lamps.)

INTERVALS

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6
MIN GRN	5	15	5	5	5	15
WALK		15		16		15
PED CLR		1		1		1
VEH EXT	1.5	2		1.5	1.5	2
MAX 1	5	30	5	12	5	30
MAX 2	8	45	5	20	8	45
RED						
ADD INIT						
MAX INIT						
TBR						
TTR						
MIN GAP						
MODE	NON-LOCK	MIN_RECALL	NON-LOCK	NON-LOCK	NON-LOCK	MIN_RECALL
INT START		THIS PHASE				THIS PHASE

← YIELD PT.   ← YIELD PT.

Phases 7 & 8: OFF / OFF

DETECTORS

IDENT	SIZE (WXL)	TURNS	MODE
D1	6' X 6'	3	PRESENCE
D2	6' X 6'	3	PRESENCE
D3	6' X 6'	3	PRESENCE
D4	6' X 6'	3	PRESENCE
D4A	6' X 6'	3	PRESENCE
D4C	6' X 9'	3	PRESENCE
D5	6' X 6'	3	PRESENCE
D6	6' X 6'	3	PRESENCE
SD	6' X 6'	4	PRESENCE

PROGRAM

FUNCTION	TIME	DAYS
FLASH	FUTURE	
MAX_1	ALL_OTHER_TIMES	
MAX_2	0600-2100	M-F
	1100-1400	SAT
PATTERN 1	0500-0900	M-F
PATTERN 2	0900-2000 / 0900-1900 / 1000-1700	M-F / SAT / SUN
PATTERN 3	ALL_OTHER_TIMES	
PATTERN 4	2000-2200 / 1900-2200 / 0900-1000	M-F / SAT / SUN
FREE	2200-0500	

COORDINATION TYPE - CLOSED_LOOP

CYCLE	OFFSET SEC / %	PHASE SPLITS SEC / % (Ø1–Ø8)
.95	0 / 0	12/55, 8/19, 12/55, 13/58, 9/20, 13/58
100	29 / 29	12/57, 8/23, 12/57, 12/57, 8/23, 12/57
.60	22 / 37	10/23, 8/19, 10/23, 17/38, 14/31, 17/38
.75	5 / 7	9/40, 8/18, 9/40, 12/53, 11/24, 13/53

SYSTEM LOC / MASTER — TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY
17-218 ① TO BE Y IF PHASE 2 IS NEXT.
17-220 ② TO BE R IF PHASE 2 IS NEXT.
17-216 D3 TO CALL PHASE 3. D4, D4A, D4C TO CALL PHASE 4
17-209 PHASES 2 AND 6 ON TO OMIT PHASE 4. PHASE 4 CHECK TO CALL PHASE 3. PHASE 3 ON TO CALL PHASE 4.
17-202 PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.
17-215 PHASES 1 & 5 TO DRIVE ARROW INDICATIONS.
17-214 PHASES 2 & 6 TO DRIVE R,Y,G.
17-233 REAR SEGMENTS OF DETECTORS D1, D3, D4, D4A, D4C
17-211 D5 AND DETECTORS D2, D6 TO SERVE AS LOCAL AND SYSTEM DETECTORS.
        D2 AND D6 TO BE INOPERATIVE DURING COORDINATION.

LEGEND

R RED   ◄R- RED ARROW
Y YELLOW   ◄Y- YELLOW ARROW
G GREEN   ◄G GREEN ARROW
FL. FLASHING W∅ WALK/PED. CLR
              D.W. DON'T WALK

REV # 6

	TRAFFIC		ELECTRICAL	
	DATE		DATE	
ENGINEER				
DRAWN BY				
CHECKED BY	F.A. HESKETH & ASSOCIATES INC.			
SUBMITTED BY				
APPROVED BY				
DATE				

REV#   INTERSECTION #017-216
FL. SIGN #017-246

CLOSED LOOP DETECTOR CHART

DETECTOR	LOOP DETECTOR	SYSTEM DETECTOR
D1 REAR	LD1	SD1
D1	LD1	-
D2	LD2	SD2
D3	LD3	-
D3 REAR	LD3	SD3
D4 REAR	LD4	SD4
D4	LD4	-
D5 REAR	LD5	SD5
D5	LD5	-
D4A REAR	LD4	SD4
D4A	LD4	-
D4C REAR	LD7	SD7
D4C	LD7	-
D6	LD6	SD6

SPAN POLE INFORMATION
30', 20' B.C., 7800 LBS
LOAD AT YIELD
INSTALLED 1995

NOTES:
SEE SEPARATE PLAN FOR PAVEMENT MARKING AND SIGNING
Ⓐ SPAN MOUNTED 31-0823 (N.T.D.R.)
Ⓑ SPAN MOUNTED 31-0135 (↖)
Ⓒ EXISTING FLASHING 41-0833 (SIGNAL AHEAD)
PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE CITY OF BRISTOL

U.S. ROUTE 6 (FARMINGTON AVE.)
ROUTE 6 (FARMINGTON AVE.)
OAKLAND STREET
APPROXIMATE ROW

Cable/conduit callouts:
1" RMC, 8/2 SERVICE
2" RMC, 14/21, 14/2, 2-20/3 OPTICAL CABLE, 16/4 2
2" RMC, SPARE
2" RMC, 7-14/2, 20/3
PERMANENT EASEMENT GRANTED TO THE STATE OF CONNECTICUT FOR MAINTENANCE OF SIGNAL APPURTENANCES
2" RMC, 14/15, 14/7, 3-14/2, 16/6 INT.
2" RMC, 14/7, 14/5, 3-14/2, 16/6 INT.
2" RMC, 14/5
2" RMC, 14/7, 3-14/2, 16/6 INT.
2" RMC, 14/7, 16/6 INT.
2" RMC, 14/2
2" RMC, 4-14/2, 20/3
14/12, 14/9, 2-14/2, 20/3 OPTICAL CABLE
2" RMC, 2-14/2, 20/3
2" RMC, 2-14/2, 20/3
2" RMC, SPARE
2" RMC, 20/3
14/12 PAIR, FIG. 8 TO INT. #017-202
14/12, PAIR, FIG. 8
14/9, 2-14/2, 2-20/3 OPTICAL CABLE
14/9, 2-14/2
2-14/2
14/12, PAIR, FIG. 8
16/6 MESSENGER
2" RMC, 2-14/2
2" RMC, 16/6 INTERCONNECT
4-14/2 14/9, 20/3 OPTICAL CABLE
2-14/12, 14/9, 2-14/2, 20/3 OPTICAL CABLE
3-14/12, 14/9, 2-14/2, 2-20/3 OPTICAL CABLE
14/21, 2-14/2, 2-20/3 OPTICAL CABLE
14/12 PAIR, FIG. 8
INT. #017-246
Ⓒ APPROX. 10' WEST OF CL&P #2337
14/12 PAIR, FIG. 8 TO INT. #017-218
CL&P #2229, CL&P #2230, CL&P #2231, CL&P #2222, CL&P #2233, CL&P #2234, CL&P #2225, CL&P #2229, CL&P #1496

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

TRAFFIC CONTROL SIGNAL LAYOUT

CITY OF BRISTOL
U.S. ROUTE 6 AT OAKLAND ST

SCALE: 1"=40'

Movement group diagram boxes: 1+6, 1+5, 2+5, 2+6, 3, 4