

CONTROLLER TIMING (SECONDS)

OPERATION	PHASE							
	1	2	3	4	5	6	7	8
MINIMUM GREEN	5.0	10.0	5.0	10.0	5.0	10.0	5.0	10.0
PASSAGE	1.0	3.0	1.0	1.0	1.0	3.0	1.0	1.0
MAX. INTERVAL I	10.0	20.0	10.0	20.0	10.0	20.0	10.0	20.0
MAX. INTERVAL II								
YELLOW CLEARANCE	5.0	5.0	4.0	5.0	5.0	5.0	4.0	5.0
RED CLEARANCE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TIME BEFORE REDUCTION		10.0				10.0		
TIME TO REDUCE		10.0				10.0		
MIN. GAP		2.0				2.0		
ADDED INITIAL		3.0				3.0		
WALK		8.0		7.0		8.0		7.0
PED. CLEAR		6.0		9.0		6.0		9.0
RECALL (L, NL, SR, ML, MX)	NL	L	NL	NL	NL	L	NL	NL

FLASH TIME ON MONITOR - 7 SEC.
 START UP PHASES - #2 & #6
 RED REVERT - 7 SEC.
 CABINET TYPE - VI GROUND-MOUNTED
 #5 = OVERLAP A
 #3 & #2 = OVERLAP B
 BACK PANEL REQUIRED TO BE EXPANDED TO 16 POSITION
 LOAD CELL FOR PEDESTRIAN INDICATION. WIRING SHALL
 BE MODIFIED TO INCLUDE LOAD CELLS AND CORRECT
 CONFLICT MONITORING.

SIGN SCHEDULE

SIGN NO.	MUTCD NO.	SIZE
S-1, S-2	R10-10L	24" x 30"
S-3, S-4	R10-12	24" x 36"
S-6,8,9,12	R10-4a(L)	9" x 12"
S-5,7,10,11	R10-4a(R)	9" x 12"
S-13, S-14	W11A-2	30" x 30"
S-15	W11A-2	30" x 30"

POLE DATA

POLE NO.	STATION/OFFSET	HEIGHT
P1	165+67, 55' LT.	30'
P2	165+82, 73' RT.	28'
P3	164+98, 72' RT.	30'
P4	164+90, 35' LT.	26'

NOTE:
 1. POLE LOCATION APPROXIMATE. EXACT LOCATION TO BE
 DETERMINED IN FIELD BY DOTD PROJECT ENGINEER.

LOOP DETECTOR SCHEDULE

LOOP NO.	SIZE	CARD CHANNEL	PHASE	STATION NO.	SPECIAL FEATURE
L-1	4 - 6' x 6'	1/1	1	164+45.21 @ LA. 447	
L-2a	1 - 6' x 6'	1/2	2	166+76.69 @ LA. 447	
L-2b	4 - 6' x 6'	3/1	2	165+74.82 @ LA. 447	5 SEC. DELAY
L-3	4 - 6' x 6'	2/1	3	48+73.46 @ U.S. 190	
L-4a	4 - 6' x 6'	3/2	4	50+88.47 @ U.S. 190	
L-4b	4 - 6' x 6'	3/3	4	50+88.47 @ U.S. 190	5 SEC. DELAY
L-5	4 - 6' x 6'	1/3	5	165+74.82 @ LA. 447	
L-6	2 - 6' x 6'	1/4	6	164+00 @ LA. 447	
L-7	4 - 6' x 6'	3/4	7	50+88.47 @ U.S. 190	
L-8	4 - 6' x 6'	2/4	8	48+73.46 @ U.S. 190	
PED *	5, 6	5/1	2		
PED *	8, 12	5/2	6		
PED *	6, 7	6/1	4		
PED *	10, 11	6/2	8		

NOTE: DELAY TIMING PROGRAMMED IN CONTROLLER

CONDUCTOR DATA

INDEX	SIGNAL WIRING DATA
A	2 - 2C/OS (1" φ CONDUIT)
B & C	1 - 6C CABLE FROM CONTROLLER WITH NECESSARY JUMPER BETWEEN PEDESTRIAN HEADS
D	1 - 6C, 4 - 2C/OS
E	1 - 10C, 1 - 6C, 4 - 2C/OS
F	1 - 10C, 2 - 6C, 4 - 2C/OS
G	2 - 10C, 1 - 6C, 4 - 2C/OS
H	2 - 2C/OS (1" φ CONDUIT)
I & J	1 - 6C CABLE FROM CONTROLLER WITH NECESSARY JUMPER BETWEEN PEDESTRIAN HEADS
K	2 - 10C, 2 - 6C, 8 - 2C/OS
L	2 - 10C, 3 - 6C, 8 - 2C/OS
M	3 - 10C, 3 - 6C, 8 - 2C/OS
N	1 - 10C
O	1 - 10C, 1 - 6C
P	2 - 10C, 1 - 6C
Q	3 - 2C/OS (2" φ CONDUIT)
R & S	1 - 6C CABLE FROM CONTROLLER WITH NECESSARY JUMPER BETWEEN PEDESTRIAN HEADS
T	2 - 10C, 2 - 6C, 5 - 2C/OS
U	2 - 10C, 3 - 6C, 5 - 2C/OS
V	2 - 10C, 4 - 6C, 5 - 2C/OS
W	3 - 10C, 3 - 6C, 5 - 2C/OS
X	3 - 2C/OS (1" φ CONDUIT)
Y & Z	1 - 6C CABLE FROM CONTROLLER WITH NECESSARY JUMPER BETWEEN PEDESTRIAN HEADS
AA	6 - 10C, 7 - 6C, 13 - 2C/OS (3 - 3" CONDUITS)
BB	1 - 6PR (INTERCONNECT) (1" CONDUIT)
CC	3 #6 AWG. THHN/THWN, ELEC. SERVICE (1" CONDUIT)

TIME OF DAY SCHEDULE

TIMING PLAN 1	5:00 A.M. TO 11:00 P.M. ALL DAYS
FLASH ASSIGNMENT	EMERGENCY
	FREE OPERATION ALL OTHER TIMES

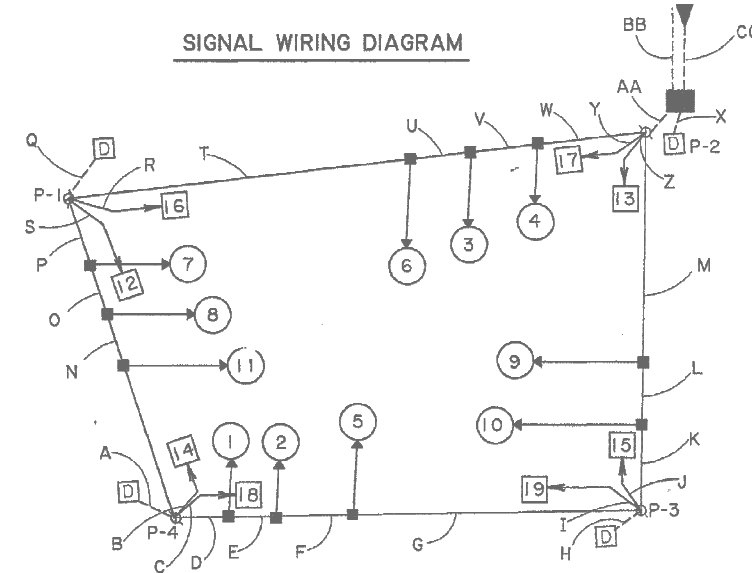
SIGNAL FACE INDICATIONS

SIGNAL FACE NO.	5, 6	2-4, 8, 10	9, 11	1, 7	12-19
TOTAL NO.	2	5	2	2	8
NOTE: LENSES = 12" DIAMETER					

SIGNAL HEAD ASSIGNMENT

HEAD NO.	PHASE NO.	FLASH ASSIGNMENT
1, 2 (R, Y, G)	2	Y
1 (-Y, -G)	OVLB	
3, 4 (R, Y, G)	6	Y
5 (R, -Y, -G)	5	-Y
6 (R, -Y, -G)	1	-Y
7, 8, 11 (R, Y, G)	4	R
7 (-Y, -G)	OVL A	
11 (-Y, -G)	7	
9, 10 (R, Y, G)	8	R
9 (-Y, -G)	3	
12, 13, 14, 15 (W, DW)	2	
16, 17, 18, 19 (W, DW)	8	

SIGNAL WIRING DIAGRAM



SUMMARY OF ESTIMATED QUANTITIES

DESCRIPTION	UNIT	QUANTITY
REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	LUMP SUM	LUMP SUM
TRENCHING & BACKFILLING	LIN. FT.	460
SIGNAL SUPPORT (STEEL STRAIN POLE, 26' HEIGHT)	EACH	1
SIGNAL SUPPORT (STEEL STRAIN POLE, 28' HEIGHT)	EACH	1
SIGNAL SUPPORT (STEEL STRAIN POLE, 30' HEIGHT)	EACH	2
SIGNAL HEADS (3-SECTION WITH 12" LENSES)	EACH	7
SIGNAL HEADS (5-SECTION WITH 12" LENSES)	EACH	4
SIGNAL HEADS (PEDESTRIAN)	EACH	8
ELECTRICAL SERVICE	EACH	1
SIGNAL CONTROLLER, (TYPE VI, 8 PHASE, 16 POSITION BACK PANEL)	EACH	1
LOOP DETECTOR	LIN. FT.	1,350
PEDESTRIAN PUSH BUTTON	EACH	8
UNDERGROUND JUNCTION BOX (TYPE D)	EACH	4
CONDUIT (1" φ GALVANIZED STEEL)	LIN. FT.	450
CONDUIT (3" φ GALVANIZED STEEL)	LIN. FT.	10
CONDUCTOR (10-CONDUCTOR)	LIN. FT.	690
CONDUCTOR (6-CONDUCTOR)	LIN. FT.	930
CONDUCTOR (2-CONDUCTOR /O.S.)	LIN. FT.	1,070
CONDUCTOR (3-AWG #6 STRANDED, TYPE THHN/THWN, 600 VOLTS)	LIN. FT.	50
SUPPORT CABLE (3/8" GALVANIZED, 7-STRAND)	LIN. FT.	390
TRAFFIC CONTROL SIGNS (OVERHEAD MOUNTED)	EACH	4
TRAFFIC CONTROL SIGNS (GROUND MOUNTED)	EACH	11

* FOR INFORMATIONAL PURPOSES ONLY.



SHEET NUMBER: 8
 PARISH: LIVINGSTON
 FEDERAL PROJECT: STP-423-1(003)
 STATE PROJECT: 268-01-0012
 DATE: AUGUST 1, 1997
 DESIGNED BY: [Blank]
 CHECKED BY: [Blank]
 DATE: [Blank]
 SHEET: [Blank]
 REVISION DESCRIPTION: [Blank]
 NO.: [Blank]
 DATE: [Blank]
 BY: [Blank]

L.A. 447 IMPROVEMENTS
 SIGNALIZATION PROGRAM DETAILS
 L.A. 447 AT US 190

ROAD DESIGN

Figure 8-59: Traffic Signal Details