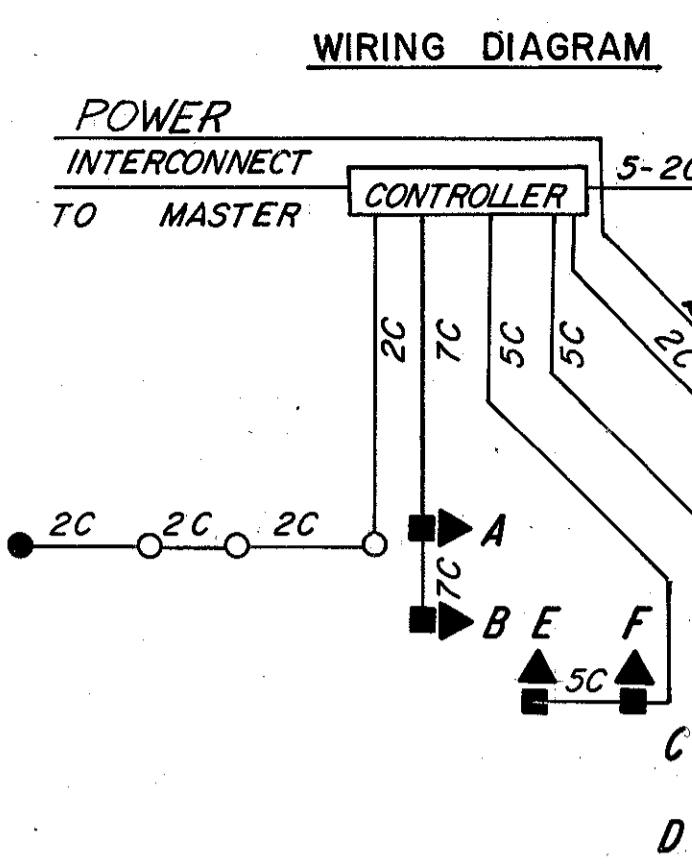


LAKE COUNTY
LAK-306-4.74

QUANTITY CALCULATION
BY: JZ DATE: 2/25/04
CHKD: DA DATE: 5/17/04
COLPETZER WOODS CONSULTANTS



POWER CABLES TO TWO POWER SERVICES MOUNTED ON EXISTING POLE

TIMING CHART

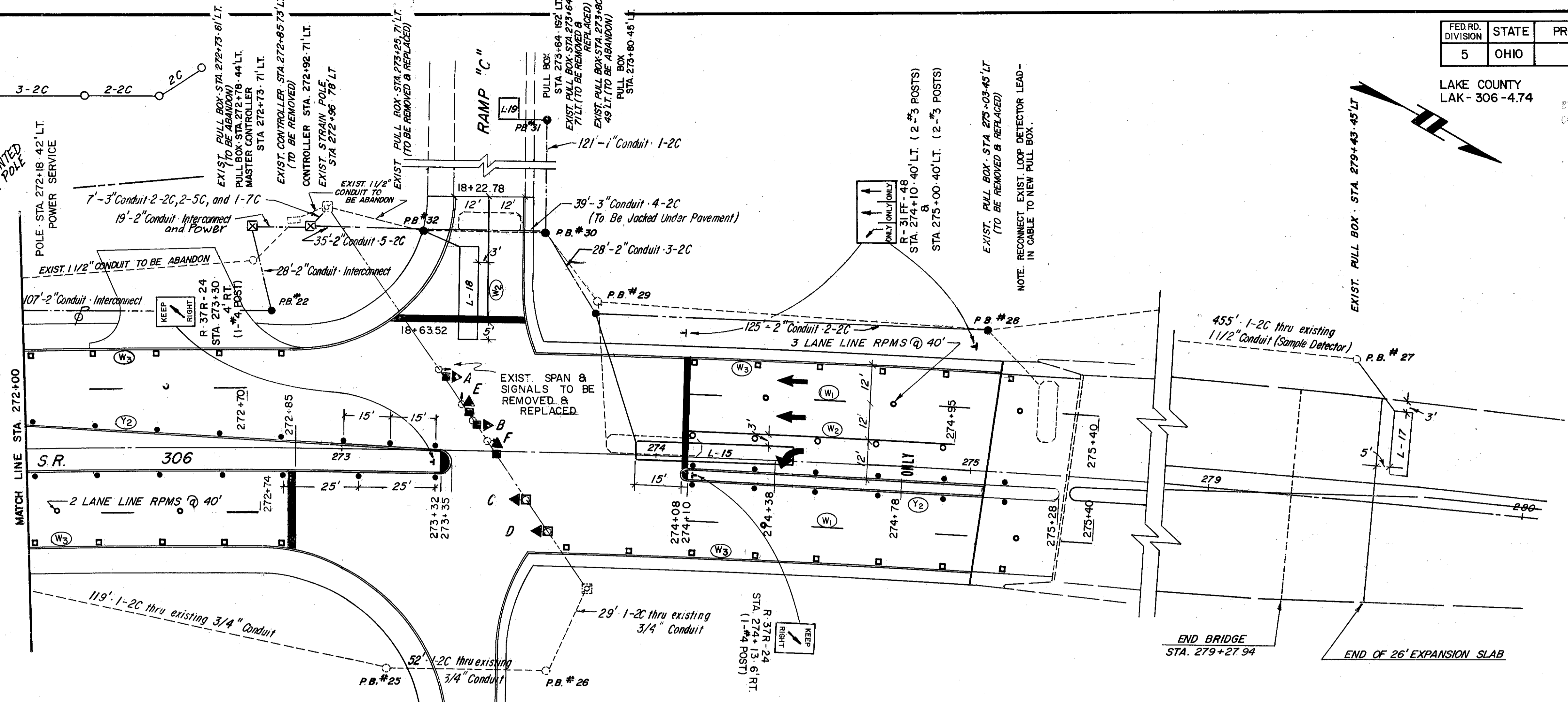
FUNCTION	Ø1	Ø2	Ø3
INITIAL GREEN	8.0	-	7.0
MINIMUM INITIAL	-	15	-
Nº OF ACTUATIONS TO GIVE MAXIMUM INITIAL	-	10	-
MAXIMUM INITIAL	-	25	-
MAXIMUM GAP	-	5.0	-
TIME WAITING TO REDUCE TO MINIMUM GAP	-	26	-
MINIMUM GAP	-	3.0	-
LAST VEHICLE PASSAGE	-	5.0	-
GREEN EXTENSION	4.0	-	2.0
MAXIMUM GREEN	35	50	20
YELLOW CLEARANCE	3.0	3.0	3.0
ALL RED CLEARANCE	1.0	1.5	1.0
RECALL	OFF	MIN	OFF

LOOP CHART

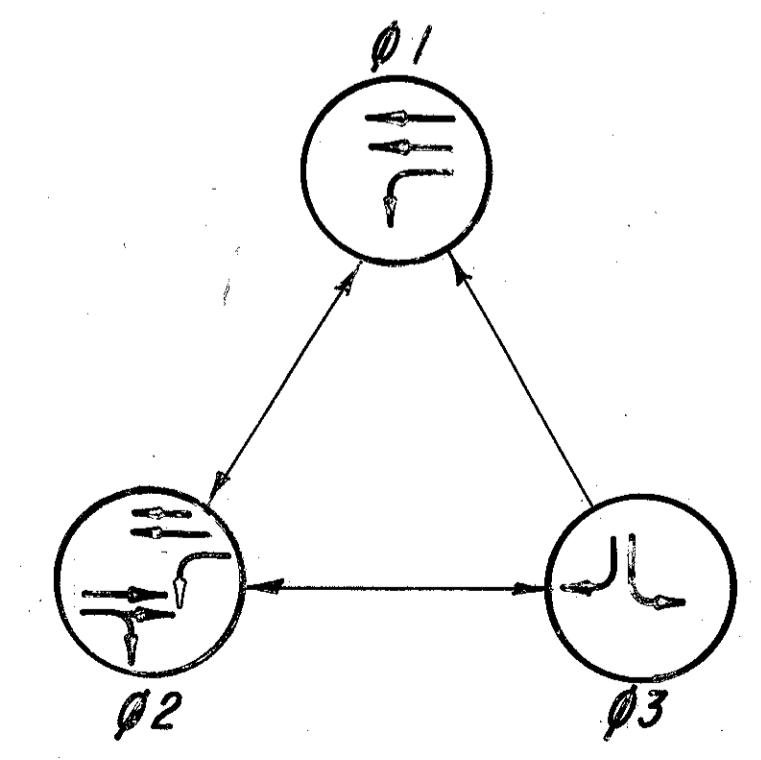
LOOP	SIZE	MODE	SPECIAL FUNCTIONS
14	6 x 20		
15	6 x 50	PRESENCE	SUBTRACTS FROM S.B. THRU
16	6 x 20		
17	6 x 20		
18	6 x 30	PRESENCE	ADDED TO S.B. THRU
19	6 x 7		

DISPLAY CHART

FLASH	SIGNAL HEAD	Ø1	Ø2	Ø3
		R/W CLEAR	R/W CLEAR	R/W CLEAR
Y	A	G	G	Y
Y	B	G	G	Y
-	B	G	Y	-
Y	C	R	R	G
Y	D	R	R	G
R	E	R	R	R
R	F	R	R	R



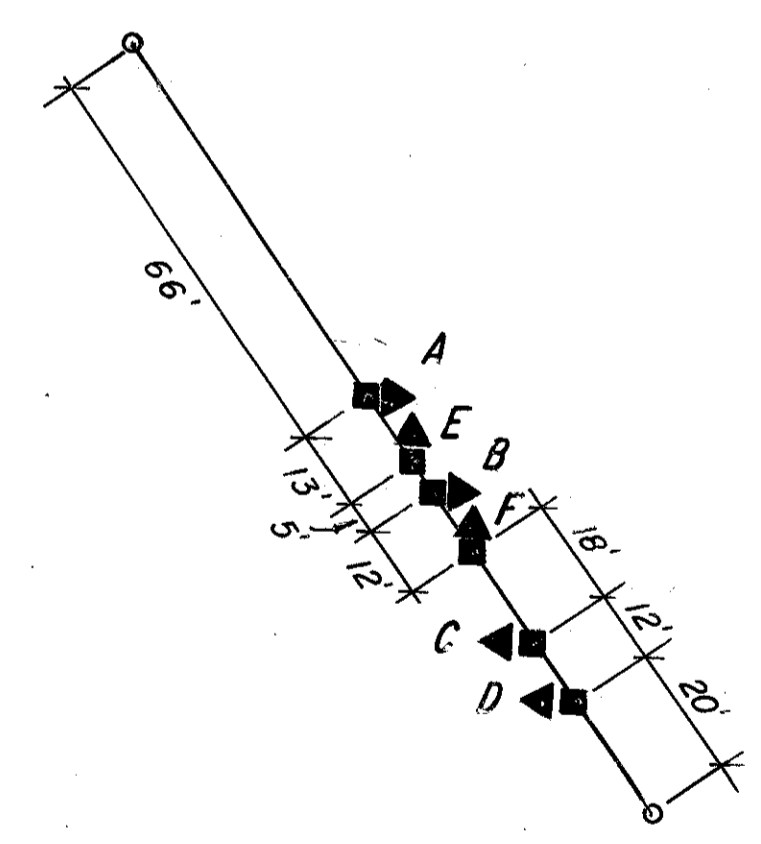
PHASE DIAGRAM



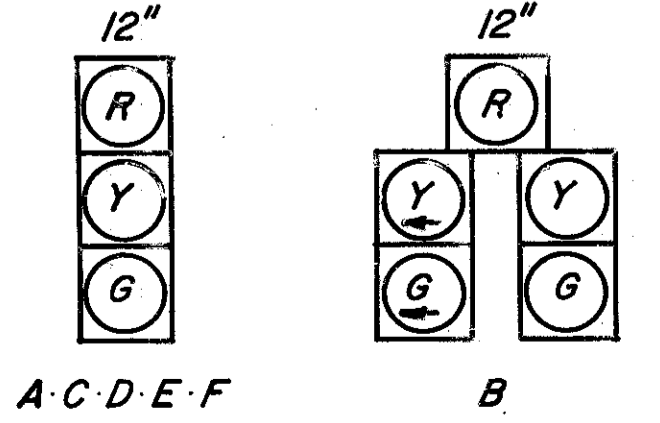
PAVEMENT MARKING LEGEND

- (W1) 4" WHITE LANE LINE (10' LONG W/30' GAPS)
- (W2) 8" WHITE CHANNELIZING LINE
- 24" STOP LINE
- (Y1) 4" DOUBLE YELLOW CENTERLINE (4" APART)
- (W3) 4" WHITE EDGE LINE
- LANE ARROWS
- (Y2) 4" YELLOW EDGE LINE
- 2 WAY RAISED MARKER - YELLOW/YELLOW
- 1 WAY RAISED MARKER - WHITE
- 2 WAY RAISED MARKER - WHITE/RED (WHITE SIDE SHALL FACE TRAFFIC)

SPAN DIAGRAM



SIGNAL HEADS



NOTE: EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN. SEE CONSTRUCTION PLANS. CONTRACTOR IS FULLY RESPONSIBLE FOR ALL DAMAGE INFLICTED ON UNDERGROUND UTILITIES.

NOTE: EDGELINE, CHANNELIZING LINE, AND CENTERLINE RAISED PAVEMENT MARKERS ARE AT 20' SPACING UNLESS OTHERWISE NOTED. LANE LINE RAISED PAVEMENT MARKERS ARE AT 80' UNLESS OTHERWISE NOTED.

COLPETZER WOODS CONSULTANTS INC.
MENTOR, OHIO

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

DESIGNED	DRAWN	TRACED	CHECKED	REVIEW DATE	REVISED