FHWA REGION	STATE	PROJECT	
5	OHIO		

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LAKE COUNTY
LAK-20-5.60

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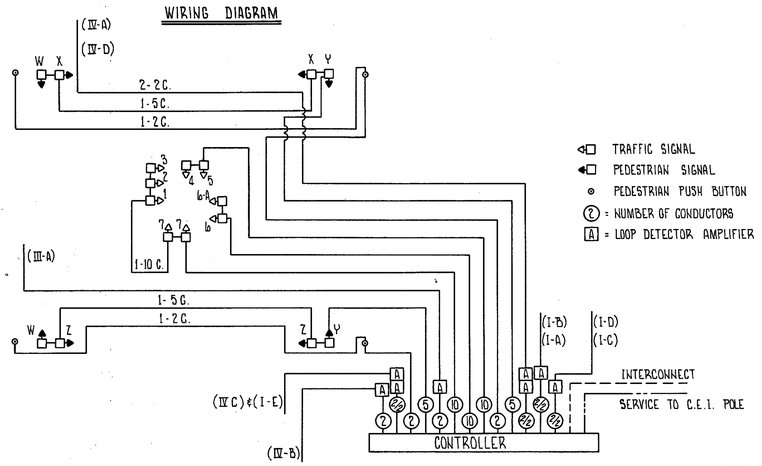
WIRING DIAGRAM



TIMING CHART

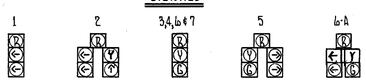
	PHASE			
	I	II	III	IV
MINIMUM GREEN	—	13	—	—
INITIAL	5		3	5
VEHICLE EXTENSION	2	—	1	2
MAXIMUM GREEN	9	—	5	21
YELLOW	3	3	3	3
ALL RED	0	0	0	0
WALK	—	6	—	6
PED. CLEARANCE	—	10	—	16
RECALL	OFF	ON	OFF	OFF
DETECTOR MEMORY	LOCK	—	NON LOCK	LOCK

COLOR SEQUENCE CHART

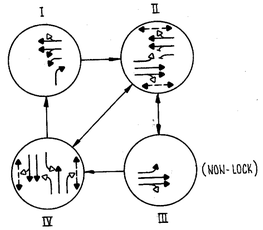
ROADWAY	SIGNAL No.	LENS	PHASE I	II	III	IV	FLASH
			INTERVAL 1 2 3 4 5 6 7 8 9				
W.B. U.S.R. 20	1	R					OFF
		G					
	2	R					
		Y					
		G					
	3	R					
		Y					
		G					
N.B. ERIE ST.	4	R					
		Y					
		G					
	5	R					
		Y					
		G					
		←G					
		→G					
E.B. WINE ST.	6	R					
		Y					
		G			(1) (2)		
	6-A	R					
		Y					
		G			(1) (3)		
		←G			(2)		
		→G			(2)		
S.B. ERIE ST.	7	R					
		Y					
		G					
	W & Y	DONT WALK					(F) OFF
	X & Z	DONT WALK			(F)		OFF

(1) - IF CLEARING TO PHASE IV
(2) IF CLEARING TO PHASE II
(3) IF CLEARING TO PHASE I OR PHASE III
(F) = FLASHING

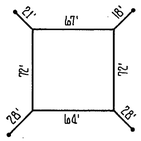
SIGNALS



PHASING

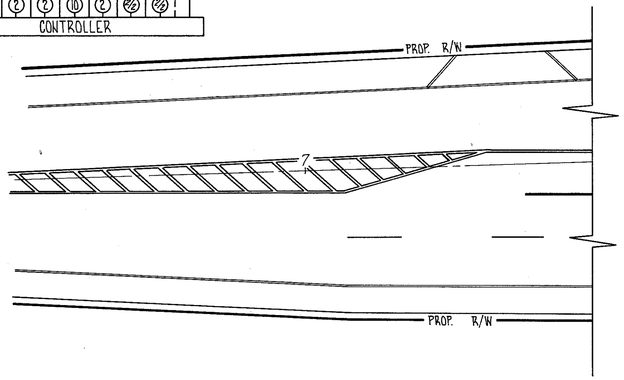


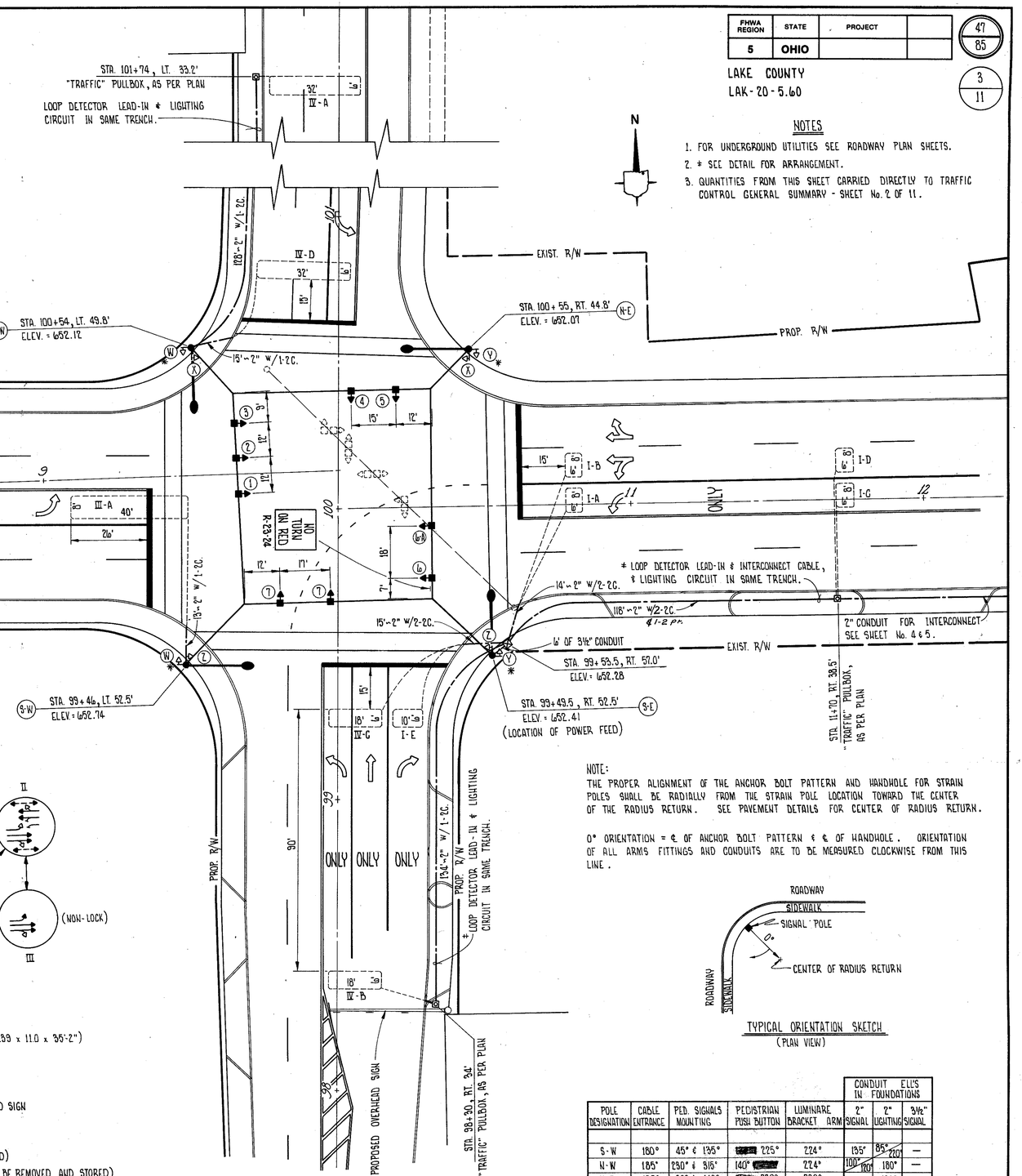
SPAN DIAGRAM



LEGEND

- COMBINATION STRAIN POLE (0.239 x 11.0 x 35'-2")
- PULL BOX (TYPE AS NOTED)
- SIGNAL HEAD (VEHICLE)
- SIGNAL HEAD (PEDESTRIAN)
- PEDESTRIAN PUSH BUTTON AND SIGN
- LOOP DETECTOR WIRE
- UNDERGROUND CONDUIT
- CONTROL CABINET (PROPOSED)
- EXISTING SIGNAL HEAD (TO BE REMOVED AND STORED)
- EXISTING STRAIN POLE (TO BE REMOVED AND STORED)





NOTES

1. FOR UNDERGROUND UTILITIES SEE ROADWAY PLAN SHEETS.
2. * SEE DETAIL FOR ARRANGEMENT.
3. QUANTITIES FROM THIS SHEET CARRIED DIRECTLY TO TRAFFIC CONTROL GENERAL SUMMARY - SHEET No. 2 OF 11.

NOTE:
THE PROPER ALIGNMENT OF THE ANCHOR BOLT PATTERN AND HANDHOLE FOR STRAIN POLES SHALL BE RADIALLY FROM THE STRAIN POLE LOCATION TOWARD THE CENTER OF THE RADIUS RETURN. SEE PAVEMENT DETAILS FOR CENTER OF RADIUS RETURN.

0° ORIENTATION = ℄ OF ANCHOR BOLT PATTERN & ℄ OF HANDHOLE. ORIENTATION OF ALL ARMS FITTINGS AND CONDUITS ARE TO BE MEASURED CLOCKWISE FROM THIS LINE.

TYPICAL ORIENTATION SKETCH
(PLAN VIEW)

POLE DESIGNATION	CABLE ENTRANCE	PED. SIGNALS MOUNTING	PEDESTRIAN PUSH BUTTON	LUMINAIRE BRACKET ARM	CONDUIT ELL'S IN FOUNDATIONS 2" SIGNAL	2" LIGHTING	3½" SIGNAL
S-W	180°	45° & 135°	225°	224°	135°	85° / 220°	—
N-W	185°	230° & 315°	140°	224°	100° / 100°	180°	—
N-E	185°	50° & 140°	230°	230°	—	180°	—
S-E	180°	225° & 315°	135°	224°	—	180°	270°

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TRAFFIC SIGNAL PLAN — MENTOR AVE. AT ERIE ST.