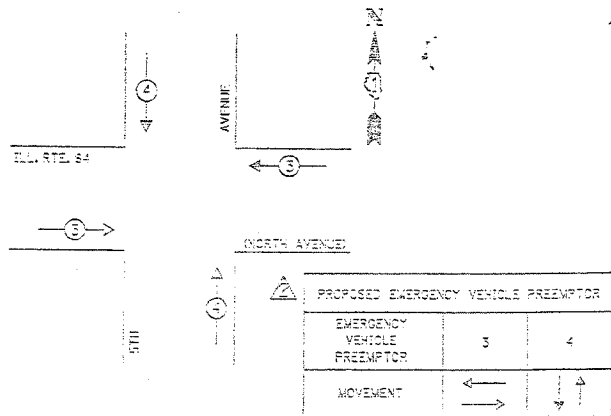


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED SCHEDULE OF QUANTITIES

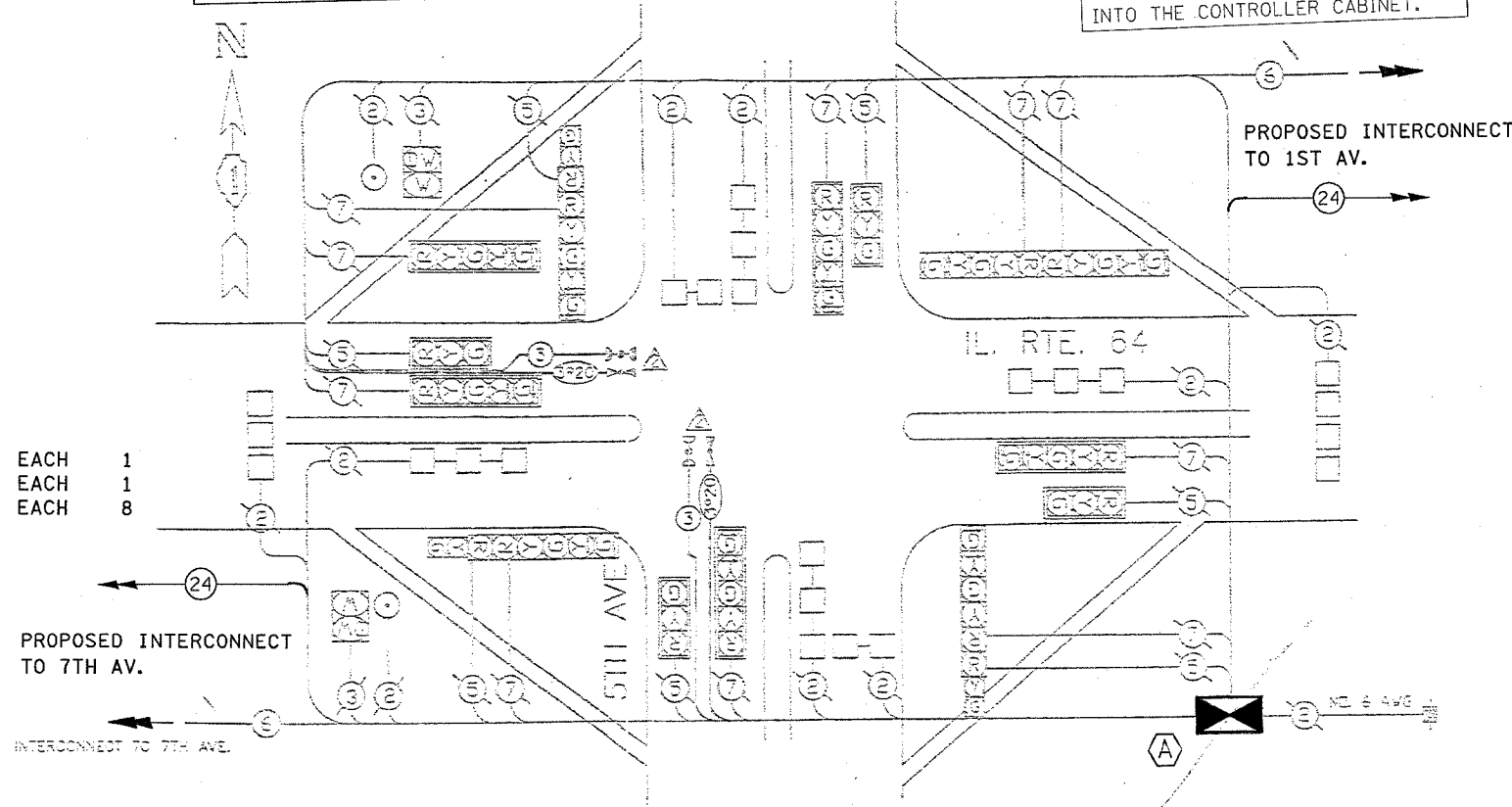
- FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
- TRANSCEIVER - FIBER OPTIC
- INDUCTIVE LOOP DETECTOR

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

EACH 1  
EACH 1  
EACH 8

THIS SHEET IS FOR PROPOSED FIBER OPTIC INTERCONNECT, NEW CONTROLLER AND CABINET ONLY.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2006-003 TS	COOK	63	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60813				

CABLE PLAN

- CABLE PLAN LEGEND
- 6" TRAFFIC SIGNAL SECTION
  - 12" TRAFFIC SIGNAL SECTION
  - 12" PEDESTRIAN SIGNAL SECTION
  - CONTROLLER CABINET
  - SERVICE INSTALLATION
  - VEHICLE DETECTOR INDUCTIVE LOOP
  - PUSHBUTTON DETECTOR
  - INDICATES NUMBER OF CONDUCTORS (C/W), ALL LIGHT DETECTOR INSTALLATIONS OVERLAP, ALL CABLE NO. 14 SHEATH AS INDICATED.
  - INDICATES EXISTING CABLE
  - SIGNAL FACE WITH BACKPLATE
  - INDICATES PROGRAMMED
  - EXISTING SIGNAL SECTION
  - MAGNETIC DETECTOR
  - OPTICAL DETECTOR
  - CONFIRMATION SECTION

SEQUENCE OF OPERATION

MOVEMENT	1 + 5	2 + 6	1 + 6	2 + 6	3 + 7	3 + 8	4 + 7	4 + 8
PHASE	1 + 5	2 + 6	1 + 6	2 + 6	3 + 7	3 + 8	4 + 7	4 + 8
INTERVAL	2, 3, 4, 5, 6, 7A, 7B, 8A, 8B, 9	10, 11, 12A, 12B, 13A, 13B, 14, 15A, 15B, 16A, 16B, 17	18, 19, 20, 21, 22	23A, 23B, 24, 25A, 25B, 26, 27	28A, 28B, 29, 30A, 30B, 31A, 31B, 32, 33, 34, 35, 36			
CHANGE TO PHASE	2+5, 1+6	2+6, 1+5	1+6, 2+6	2+6, 3+7	3+7, 3+8	3+8, 4+7	4+7, 4+8	4+8, 3+7
5TH AVE N/S APPROX. RIGHT AND MID MAST ARM SIGNALS	R	R	R	R	R	R	R	R
5TH AVE N/S LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R
5TH AVE S/W RIGHT SIGNALS	R	R	R	R	R	R	R	R
5TH AVE S/W FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R
IL 64 E/W NEAR RIGHT AND MID MAST ARM SIGNALS	R	R	R	R	R	R	R	R
IL 64 E/W FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R
IL 64 W/E NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	R	R
IL 64 W/S MID MAST ARM SIGNALS	R	R	R	R	R	R	R	R
IL 64 W/E FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS ACROSS IL 64 WEST SIDE OF 5TH AVE	DW	DW	DW	DW	DW	DW	DW	DW

- TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
- FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL
- THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN THE BI-DIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "WALK" OR FLASHING "DON'T WALK" INTERVALS.

SCHEDULE OF QUANTITIES

TRAFFIC CONTROL AND PROTECTION, STANDARD TO:01	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 30	FOOT	673
ELECTRIC CABLE IN CONDUIT, NO. 20 37, TWISTED, SHIELDED	FOOT	673
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1

REVISIONS

NO.	DATE	BY	DESCRIPTION
1			
2			

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES  
IL. RTE. 64 (NORTH AVENUE) AND 5TH AVENUE  
SCALE: VERT. NTS  
HORIZ. NTS  
DATE 6/19/06  
DRAWN BY  
DESIGNED BY  
CHECKED BY