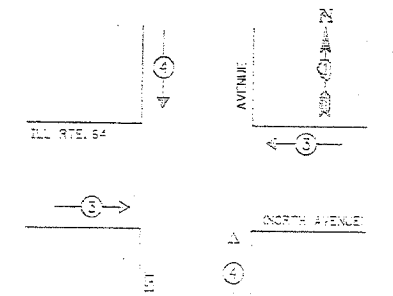


EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

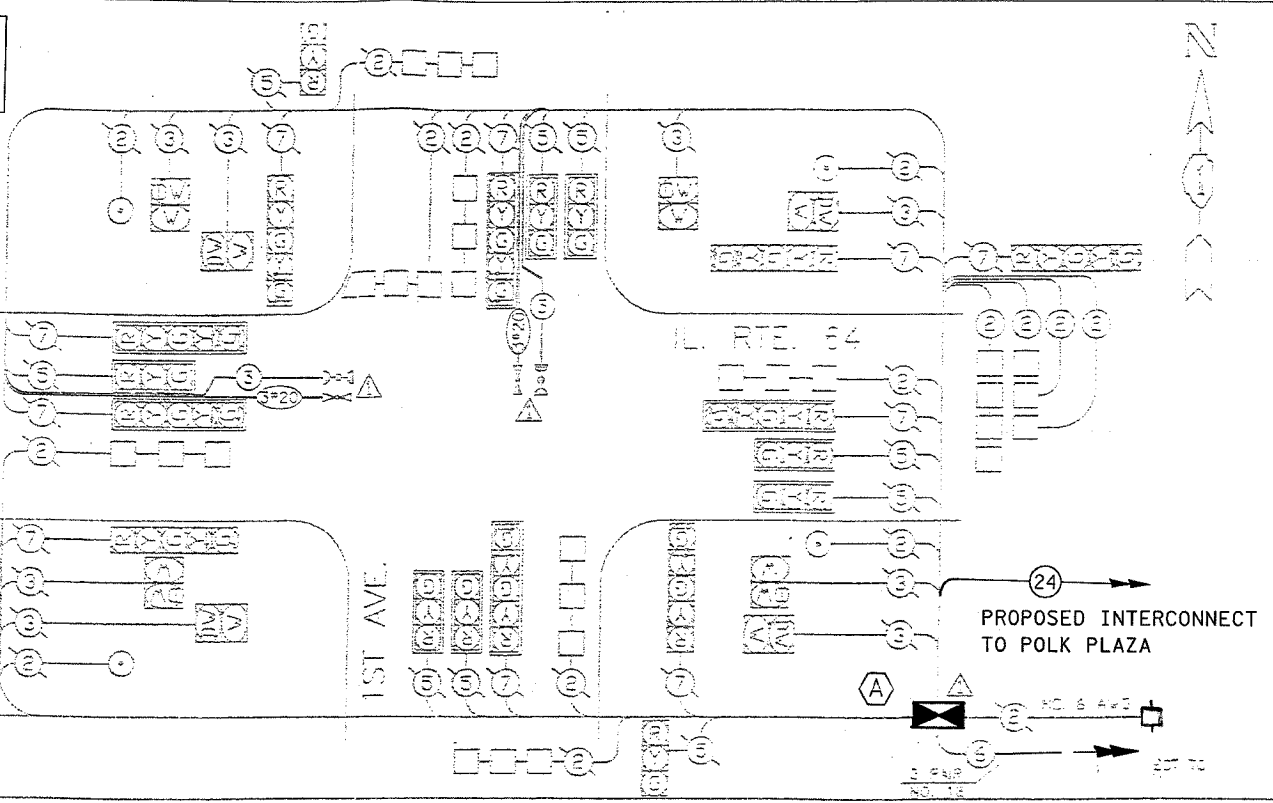
PROPOSED EMERGENCY VEHICLE PREEMPTOR	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	← →

PROPOSED SCHEDULE OF QUANTITIES

- FULL-ACTUATED CONTROLLER AND TYPE IV CABINET EACH 1
- TRANSCIVER - FIBER OPTIC EACH 1
- INDUCTIVE LOOP DETECTOR EACH 15

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

PROPOSED INTERCONNECT TO 5TH AV.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2006-003 TS	COOK	63	35

STA. _____ TO STA. _____

FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT

CONTRACT NO. 60B13

CABLE PLAN

- CABLE PLAN LEGEND**
- 8' TRAFFIC SIGNAL SECTION
 - 12' TRAFFIC SIGNAL SECTION
 - 18' PEDESTRIAN SIGNAL SECTION
 - CONTROLLER CABINET
 - SERVICE INSTALLATION
 - VEHICLE DETECTOR, INDUCTIVE LOOP
 - PUSH-BUTTON DETECTOR
 - NUMBER IN CIRCLES (NEW) INDICATES NUMBER OF CONDUCTORS (NEW) OR NUMBER OF CABLES TO BE INSTALLED AS INDICATED
 - INDICATED EXISTING CABLE
 - SIGNAL FACE WITH SIGN PLATE
 - * INDICATED PROGRAMMED
 - EXISTING SIGNAL SECTION
 - MAGNETIC DETECTOR
 - OPTICAL DETECTOR
 - CONFIRMATION READY

SEQUENCE OF OPERATION

MOVE	1 + 5	2 + 6	3 + 7	4 + 8	5 + 9	6 + 10	7 + 11	8 + 12	9 + 13	10 + 14	11 + 15	12 + 16	13 + 17	14 + 18	15 + 19	16 + 20	17 + 21	18 + 22	19 + 23	20 + 24	21 + 25	22 + 26	23 + 27	24 + 28	25 + 29	26 + 30	27 + 31	28 + 32	29 + 33	30 + 34	31 + 35	32 + 36	33 + 37	34 + 38	35 + 39			
PHASE	[Diagrammatic representation of phase changes]																																					
INTERVAL	[Diagrammatic representation of interval durations]																																					
CHANGE TO PHASE	[Diagrammatic representation of phase transition points]																																					
VEHICLE SIGNALS	[Signal status grid for vehicle movements]																																					
PEDESTRIAN SIGNALS	[Signal status grid for pedestrian movements]																																					

- 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 TURN TIME IS NOT SUFFICIENT TO COMPLETE "WALK" OR FLASHING "DON'T WALK" INTERVAL

SCHEDULE OF QUANTITIES

TRAFFIC CONTROL AND PROTECTION, STANDARD 10101	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 30	FOOT	633
ELECTRIC CABLE IN CONDUIT, NO. 20 30, TWISTED, SHIELDED	FOOT	855
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1

INSTALLATION OF EMERGENCY VEHICLE PREEMPTION 6-03-02

MELROSE PARK-SHEET 173 OF 365

CHRISTOPHER B. BURKE ENGINEERING LTD.
1878 West Higgins Road, Suite 200
Evanston, IL 60201
(847) 833-0200

REVISIONS	
NO.	DATE
0001	6-03-02

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
SCHEDULE OF QUANTITIES

IL. RTE. 64 (NORTH AVENUE)
AND
1ST AVENUE

SCALE: VERT. NTS
HORIZ. NTS
DATE 6/19/06

DRAWN BY [Signature]
DESIGNED BY [Signature]
CHECKED BY [Signature]