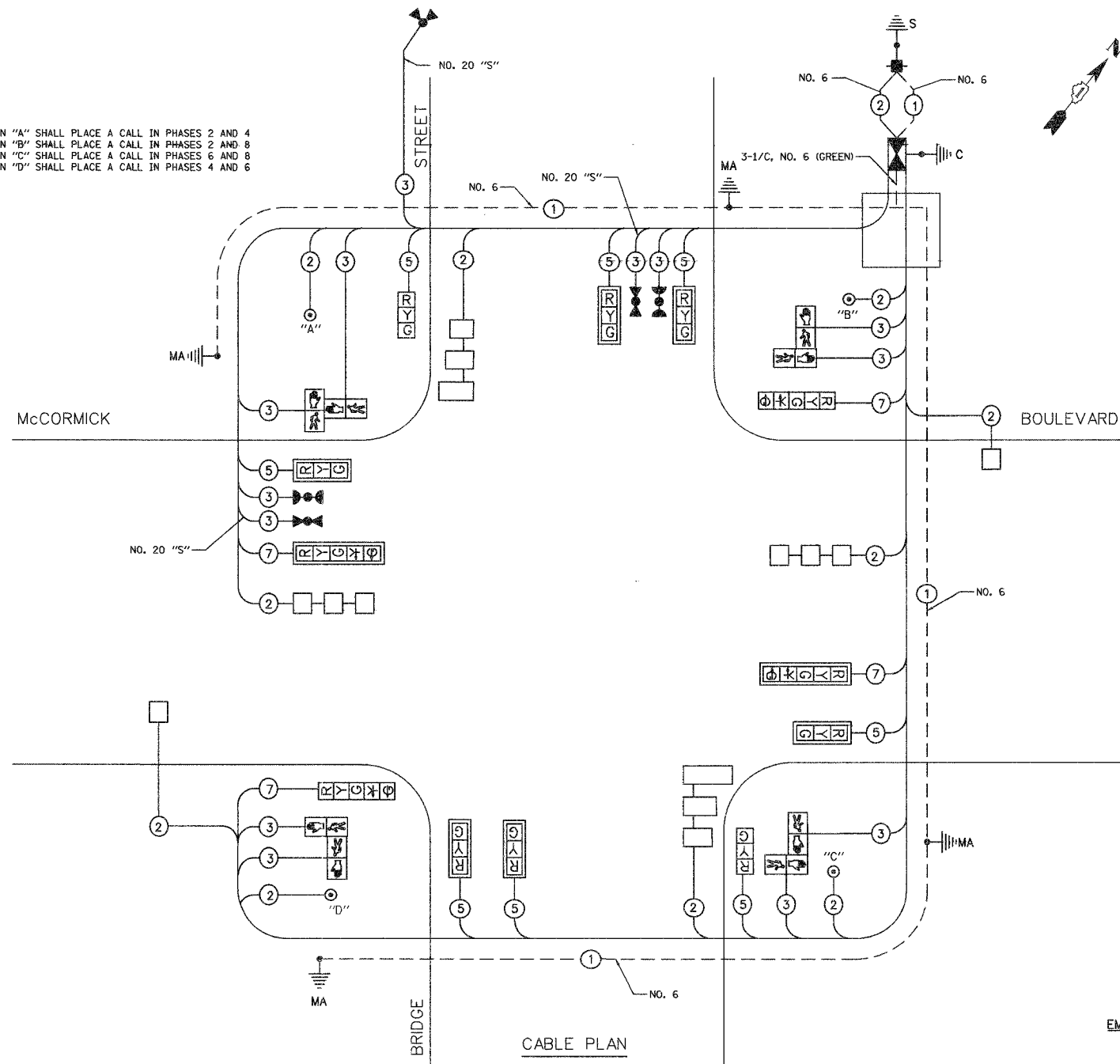


SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
31.5	SQ FT	SIGN PANEL - TYPE 1
777	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
24	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
59	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
24	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
161	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
5	EACH	HANDHOLE
2	EACH	HEAVY-DUTY HANDHOLE
1	EACH	DOUBLE HANDHOLE
965	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
460	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1,231	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1,158	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
576	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1,180	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
156	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
60	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
8	EACH	TRAFFIC SIGNAL BACKPLATE
6	EACH	INDUCTIVE LOOP DETECTOR
475	FOOT	DETECTOR LOOP, TYPE I
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
3	EACH	REMOVE EXISTING HANDHOLE
4	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
443	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
465	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
6	EACH	SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD ,LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD ,LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED

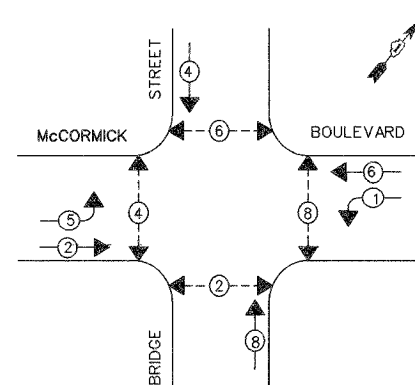
NOTES:

PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4  
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 2 AND 8  
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8  
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 4 AND 6



CABLE PLAN  
NOT TO SCALE

PROPOSED CONTROLLER SEQUENCE

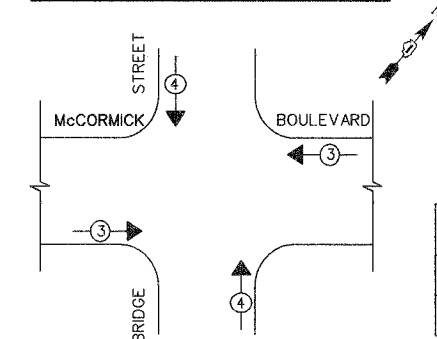


PHASE DESIGNATION DIAGRAM

CABLE PLAN LEGEND

EXISTING	PROPOSED	
		SIGNAL FACE WITH BACKPLATE
		GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
		GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
		ELECTRIC CABLE IN CONDUIT, NO. 18, 6 PAIR TWISTED, SHIELDED
		12" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		VEHICLE DETECTOR, INDUCTION LOOP
		DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED ALL LOOP DETECTOR CABLE TO BE SHIELDED

PROPOSED  
EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3
MOVEMENT	4

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	OPERATION	
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	8	135	12	0.10	9.6
PED SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	0	252		0.05	0
FLASHER					
ENERGY COSTS TO:					TOTAL= 531.6
CITY OF EVANSTON					
2100 RIDGE AVENUE					
EVANSTON, IL 60201					
ENERGY SUPPLY CONTACT: JUDY SCHOMER					
PHONE: (847) 816-5472					
COMPANY: COM ED					

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2+
E - M. ARM POLE		SIGNAL POST	2		
24" (600mm)	10	CONTROLLER CAB.	1	BRACKET MOUNTED	13
30" (750mm)	15	FIBER OPTIC	13	PED. PUSHBUTTON	4
		ELECTRIC SERVICE	1	ELECTRIC SERVICE	13.5
		GROUND CABLE	1	SERVICE TO GROUND	13.5
				POST MOUNTED	6

LEGEND	
	DUAL ENTRY PHASE
	PEDESTRIAN PHASE
	NUMBER REFERS TO ASSOCIATED PHASE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CABLE PLAN,  
SEQUENCE OF OPERATIONS AND  
SCHEDULE OF QUANTITIES  
McCormick Boulevard  
McCormick Boulevard at Bridge Street

SCALE: NONE

DATE 9/03/04  
DRAWN BY GEW  
CHECKED BY SRF