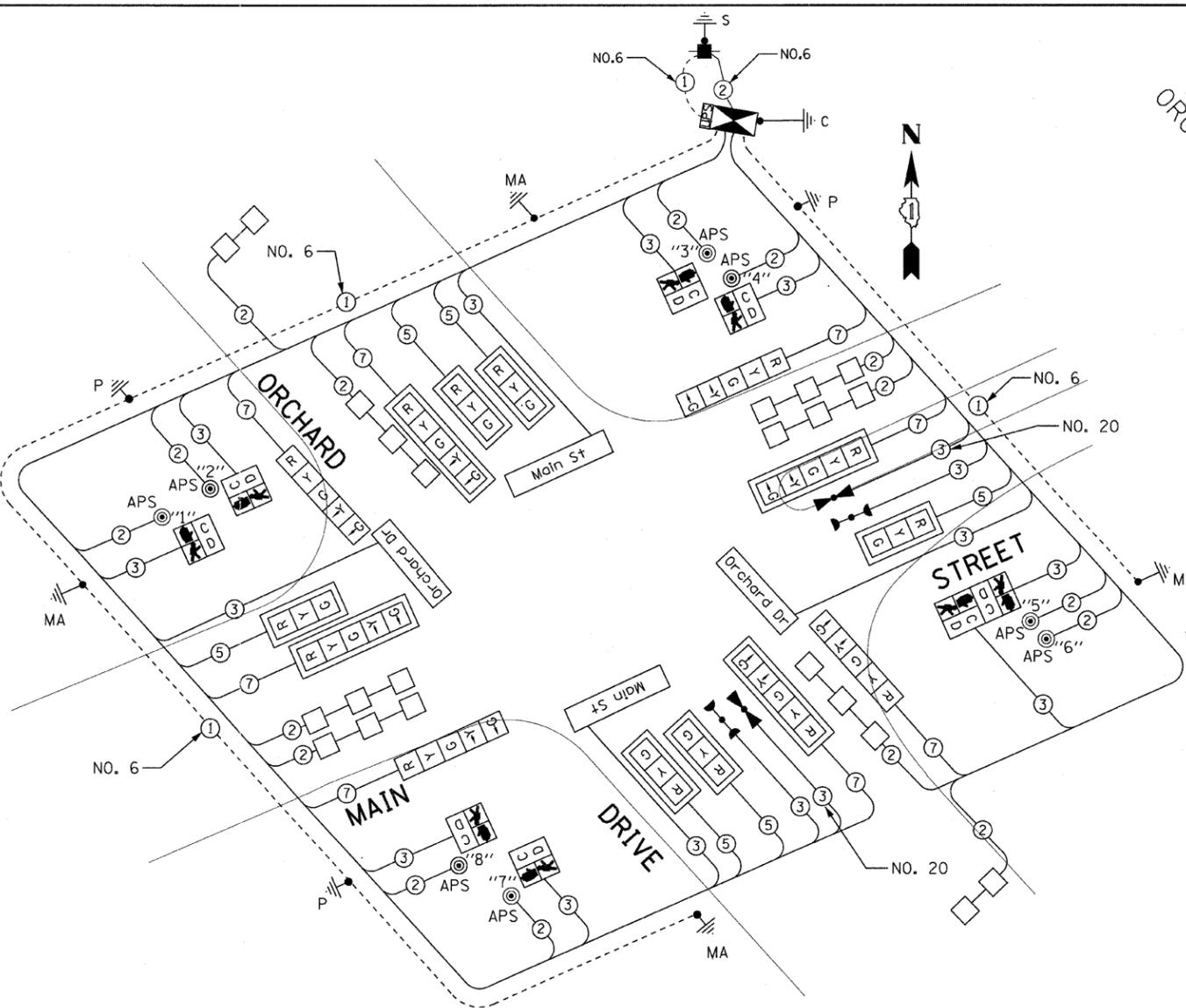
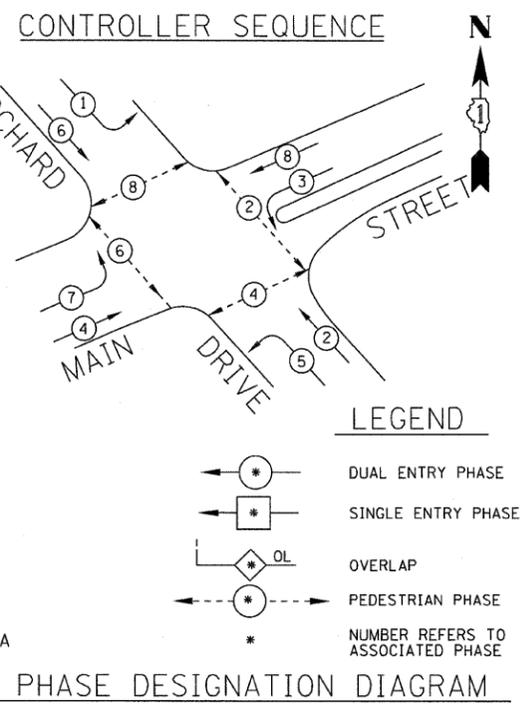


SCHEDULE OF QUANTITIES

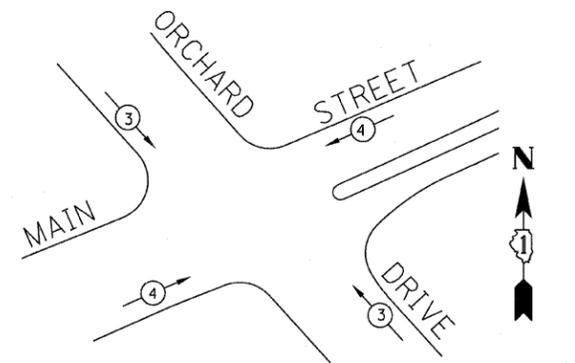
80500020 SERVICE INSTALLATION - POLE MOUNTED	EACH	1
81028200 UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1134
81028210 UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	41
81028220 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	39
81028240 UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	280
81400100 HANDHOLE	EACH	4
81400200 HEAVY-DUTY HANDHOLE	EACH	4
81400300 DOUBLE HANDHOLE	EACH	2
85700200 FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
86200300 UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	1
87301215 ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1484
87301225 ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1761
87301245 ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	954
87301255 ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1287
87301305 ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2163
87301800 ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2 C	FOOT	582
87301900 ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	383
87502500 TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
87700180 STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
87700200 STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
87700230 STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
87700240 STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
87800100 CONCRETE FOUNDATION, TYPE A	FOOT	12
87800150 CONCRETE FOUNDATION, TYPE C	FOOT	4
87800400 CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	37
87800415 CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
88030020 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
88030100 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88030110 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
88102717 PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
88102747 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
88200210 TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
88500100 INDUCTIVE LOOP DETECTOR	EACH	10
88600100 DETECTOR LOOP, TYPE I	FOOT	889
88700200 LIGHT DETECTOR	EACH	2
88700300 LIGHT DETECTOR AMPLIFIER	EACH	1
89000100 TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89100400 ILLUMINATED SIGN, LED	EACH	4
89502300 REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6563
89502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502385 REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
89502380 REMOVE EXISTING HANDHOLE	EACH	8
89502382 REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
Z0073510 TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
X8730250 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	442
X8760200 ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8



CABLE PLAN



PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE

ACCESSIBLE PEDESTRIAN SIGNALS

PUSHBUTTON NUMBER	DIRECTION OF TRAVEL	PHASE	CROSSING	WALK INTERVAL MESSAGE	EXTENDED 3-SECONDS DEPRESSED TIME MESSAGE
1	SOUTH	6	MAIN STREET	"WALK SIGN, MAIN STREET"	"WAIT TO CROSS MAIN STREET, TRAVELING SOUTH"
2	EAST	8	ORCHARD DRIVE	"WALK SIGN, ORCHARD DRIVE"	"WAIT TO CROSS ORCHARD DRIVE, TRAVELING EAST"
3	WEST	8	ORCHARD DRIVE	"WALK SIGN, ORCHARD DRIVE"	"WAIT TO CROSS ORCHARD DRIVE, TRAVELING WEST"
4	SOUTH	2	MAIN STREET	"WALK SIGN, MAIN STREET"	"WAIT TO CROSS MAIN STREET, TRAVELING SOUTH"
5	NORTH	2	MAIN STREET	"WALK SIGN, MAIN STREET"	"WAIT TO CROSS MAIN STREET, TRAVELING NORTH"
6	WEST	4	ORCHARD DRIVE	"WALK SIGN, ORCHARD DRIVE"	"WAIT TO CROSS ORCHARD DRIVE, TRAVELING WEST"
7	EAST	4	ORCHARD DRIVE	"WALK SIGN, ORCHARD DRIVE"	"WAIT TO CROSS ORCHARD DRIVE, TRAVELING EAST"
8	NORTH	6	MAIN STREET	"WALK SIGN, MAIN STREET"	"WAIT TO CROSS MAIN STREET, TRAVELING NORTH"

CABLE PLAN LEGEND

(NOTE: SEE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS SHEET FOR FULL LEGEND)

Main St LED INTERNALLY ILLUMINATED STREET NAME SIGNS

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	14		17	0.50	119.00
(YELLOW)	14		25	0.25	87.50
(GREEN)	14		15	0.25	52.50
ARROW	16		12	0.10	19.20
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN	4		90	0.50	180.00
VIDEO DET.	0		150	1.00	0
LUMINAIRE	0	250		0.50	0
FLASHER				0.50	-
TOTAL =					758.20

ENERGY COSTS TO:
VILLAGE OF PARK FOREST
350 VICTORY DRIVE
PARK FOREST, ILLINOIS 60466
ENERGY SUPPLY CONTACT: VALERIE MURPHY
PHONE: (708)235-2346
COMPANY: COM ED



DESIGNED - JUF	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TLH	REVISED -
DATE - 10/31/11	FILE - 060670-PH2-ts-cable-1-MAIN.shp

STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

TRAFFIC SIGNAL CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES ORCHARD DRIVE AND MAIN STREET

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	116
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			N-80031661	

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