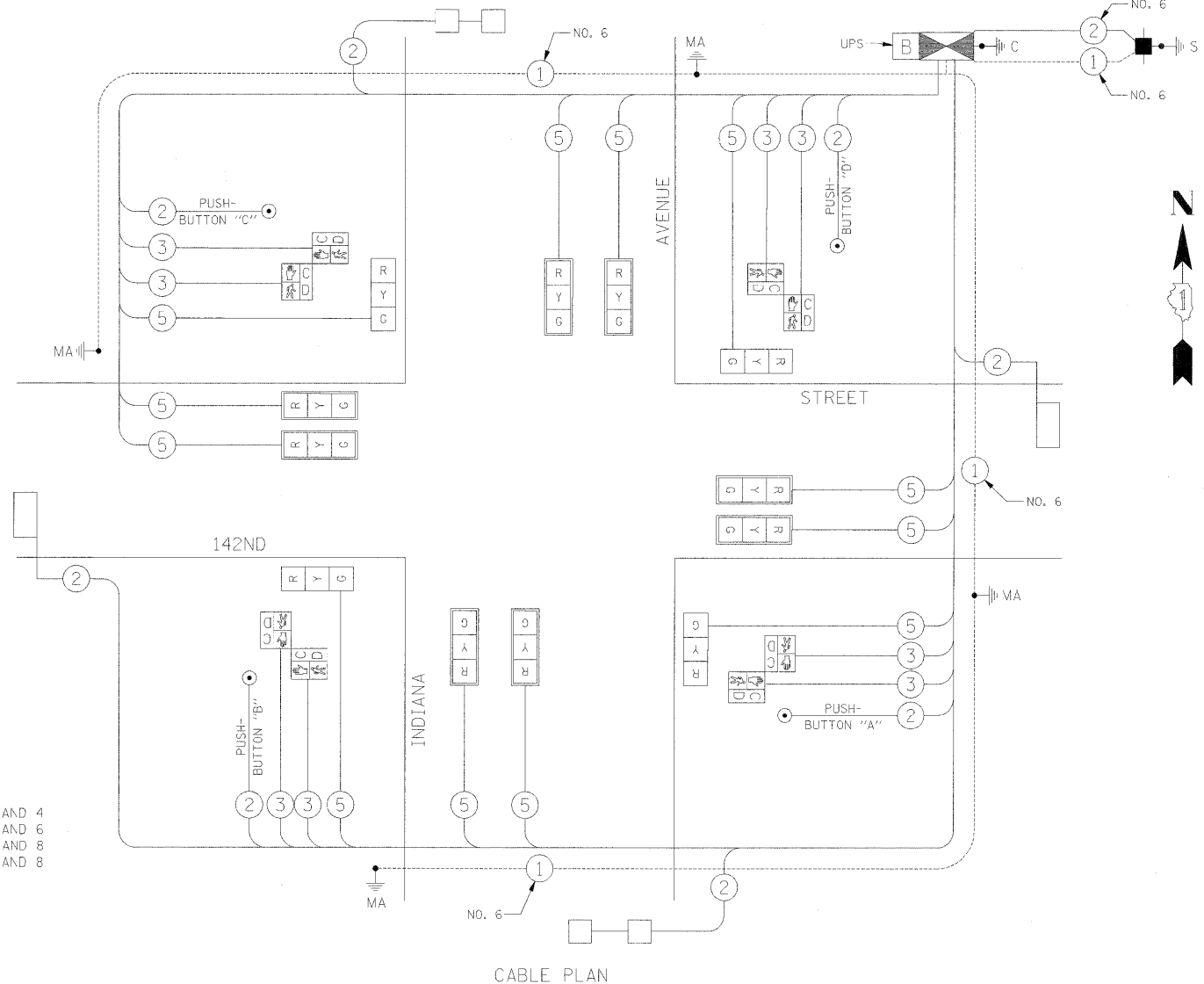


NOTE:  
 PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4  
 PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6  
 PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8  
 PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8



SUMMARY OF QUANTITIES

QUANTITY	UNIT	ITEM	QUANTITY	UNIT	ITEM
75	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
32	SQ FT	DETECTABLE WARNINGS	1	EACH	UNINTERRUPTIBLE POWER SUPPLY
1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	470	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	1012	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	1750	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	1414	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR
30	SQ FT	SIGN PANEL - TYPE 1	188	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
392	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	469	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
84	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.
203	SQ FT	THERMOPLASTIC PAVEMENT MARKING REMOVAL	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.
992	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.
10	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.
199	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	4	FOOT	CONCRETE FOUNDATION, TYPE C
66	FOOT	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	44	FOOT	CONCRETE FOUNDATION, TYPE E 36" DIAMETER
210	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	8	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
7	EACH	HANDHOLE	4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	DOUBLE HANDHOLE	4	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
1065	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK	8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
			4	EACH	INDUCTIVE LOOP DETECTOR
			198	FOOT	DETECTOR LOOP, TYPE 1
			4	EACH	PEDESTRIAN PUSH-BUTTON
			1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
			1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
			8	EACH	REMOVE EXISTING HANDHOLE
			7	EACH	REMOVE EXISTING CONCRETE FOUNDATION
			51.4	SQ FT	TEMPORARY INFORMATION SIGNING
			1	EACH	TEMPORARY TRAFFIC SIGNAL TIMINGS
			1	EACH	SERVICE INSTALLATION, POLE MOUNT

PROPOSED	EXISTING	
G	G	8" (200mm) TRAFFIC SIGNAL SECTION
R	R	12" (300mm) TRAFFIC SIGNAL SECTION
W	W	12" (300mm) PEDESTRIAN SIGNAL SECTION
W	W	12" (300mm) PEDESTRIAN SIGNAL SECTION
☐	☐	CONTROLLER CABINET
☐	☐	SERVICE INSTALLATION
☐	☐	TELEPHONE CONNECTION
☐	☐	MAGNETIC DETECTOR
☐	☐	PUSHBUTTON DETECTOR
☐	☐	VEHICLE DETECTOR, INDUCTION LOOP
2	2	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
"p"	"p"	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD
"E"	"E"	RAILROAD CONTROL CABINET
"E"	"E"	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
"E"	"E"	ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
H/C	H/C	GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
P	P	GROUND ROD AT POST OR MAST ARM POLE
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
1	1	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
24	24	FIBER OPTIC CABLE IN CONDUIT NO.62.5/125 2-MM12F & SM12F
☐	☐	MICROWAVE VEHICLE SENSOR
☐	☐	VIDEO DETECTOR
☐	☐	CLOSED CIRCUIT TV
☐	☐	EMERGENCY VEHICLE LIGHT DETECTOR
☐	☐	CONFIRMATION BEACON
☐	☐	UNINTERRUPTIBLE POWER SUPPLY
☐	☐	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	12	17	0.25	0.50	102.00
(YE. LOW)	12	25	0.25	0.25	75.00
(GREEN)	12	15	0.25	0.25	45.00
ARROW	-	12	0.10	0.10	0.00
PED. SIGNAL	8	25	1.00	1.00	200.00
CONTROLLER	1	100	1.00	1.00	100.00
ILLUM. SIGN				0.05	-
FLASHER				0.05	-
ENERGY COSTS TO:	TOTAL=				522.00

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'4L-2"
E - M. ARM POLE	24" (600mm)	SIGNAL POST	2 (0.6)	BRACKET MOUNTED	(6m+L-0.6m)=
	30" (750mm)	CONTROLLER CAB.	1 (0.3)	BRACKET MOUNTED	13 (4.0)
		FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.3)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)