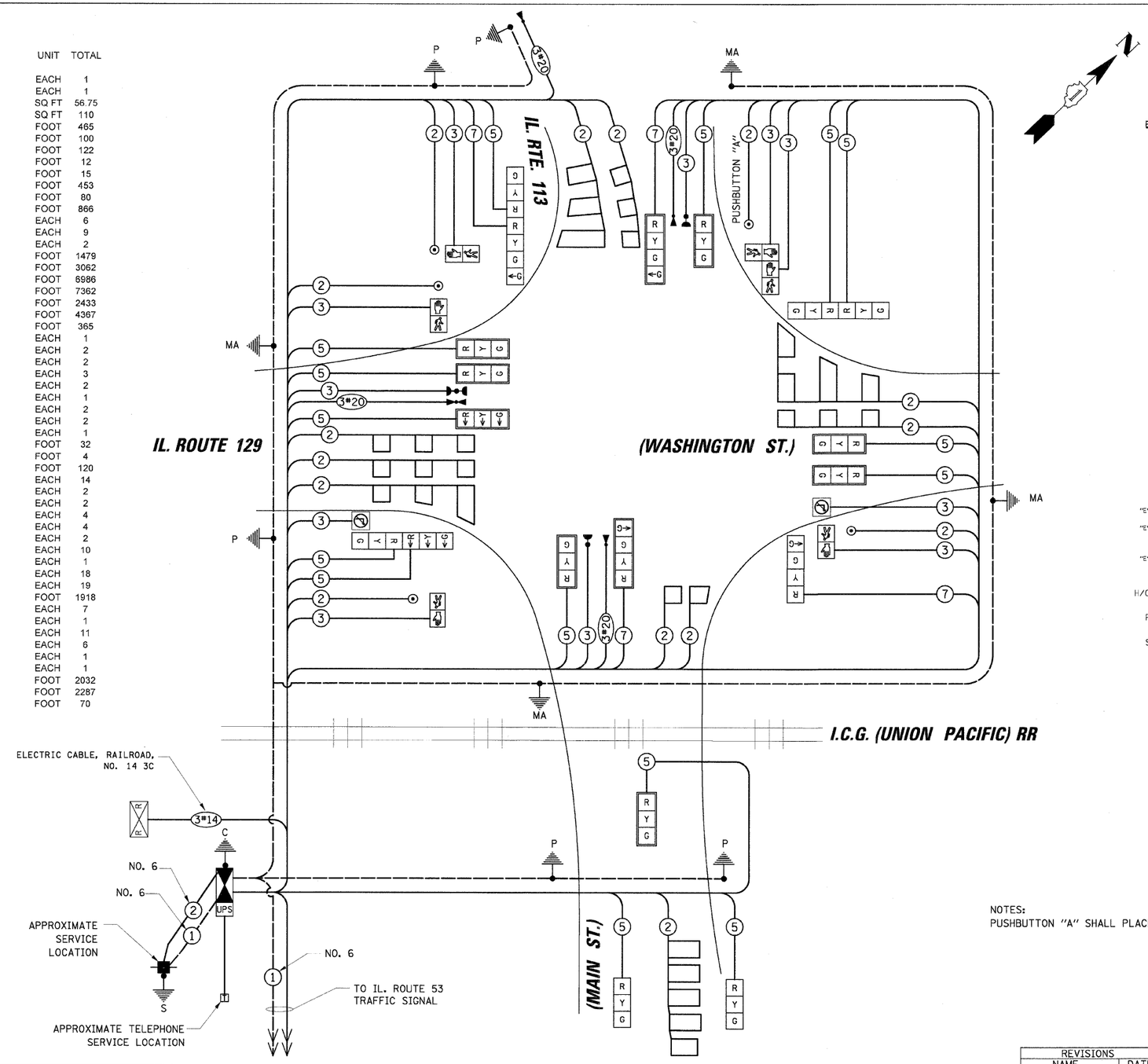
CONTRACT NO. 62910

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2320	113X-N	WILL	133	88
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
TRAFFIC SIGNAL TIMINGS	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
SIGN PANEL TYPE 1	SQ FT	56.75
SIGN PANEL TYPE 2	SQ FT	110
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	465
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	100
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	122
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	12
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	15
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	453
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	80
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	866
HANDHOLE	EACH	6
HEAVY DUTY HANDHOLE	EACH	9
DOUBLE HANDHOLE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1479
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3062
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	6986
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	7362
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2433
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4367
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	365
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 11 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT.	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
CONCRETE FOUNDATION TYPE A	FOOT	32
CONCRETE FOUNDATION TYPE C	FOOT	4
CONCRETE FOUNDATION TYPE E, 36-INCH DIAMETER	FOOT	120
SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	14
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD ,LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD ,LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD ,LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD ,LED, 2-FACE, 1-3 SECTION, 1-4 SECTION BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	10
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	18
INDUCTIVE LOOP DETECTOR	EACH	19
DETECTOR LOOP TYPE 1	FOOT	1918
LIGHT DETECTOR	EACH	7
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	11
ILLUMINATED SIGN, LED	EACH	6
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	2032
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	2287
ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	70



CABLE PLAN LEGEND

EXISTING	PROPOSED	
		8" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
2	2	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
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
R Y G Y G	R Y G Y G "P" "P"	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
"E"	"E"	RAILROAD CONTROL CABINET
"E"	"E"	ILLUMINATED SIGN "NO LEFT TURN"
"E"	"E"	ILLUMINATED SIGN "NO RIGHT TURN"
H/C	C	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
P	P	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
UPS	UPS	UNINTERRUPTIBLE POWER SUPPLY

NOTES:
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	WATTAGE LED	x % OPERATION	
SIGNAL (RED)	34	135	17	0.50	289.00
(YELLOW)	34	135	25	0.25	212.50
(GREEN)	42	135	15	0.25	157.50
ARROW	-	135	12	0.10	-
PED. SIGNAL	12	90	25	1.00	300.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN	6	252	25	0.05	7.50
FLASHER	-			0.50	-
ENERGY COSTS TO:				TOTAL =	1066.50

FOUNDATION (DEPTH)	FT.	(m)
TYPE A - POST	4	(1.2)
D - CONTROLLER	4	(1.2)
E - M. ARM POLE		
24" (600mm)	10	(3.0)
30" (750mm)	15	(4.6)
36" (900mm)	15	(4.6)

CABLE SLACK	FT.	(m)
HANDHOLE	6.5	(2.0)
DOUBLE HANDHOLE	13	(4.0)
SIGNAL POST	2	(1.0)
CONTROLLER CAB.	1	(0.5)
FIBER OPTIC	13	(4.0)
ELECTRIC SERVICE	1	(0.5)
GROUND CABLE	1	(0.5)

VERTICAL	FT.	(m)
ALL FOUNDATIONS	3.5	(1.0)
MAST ARM (L) POLE	20'+L-2=	(6m+L-0.6m)=
BRACKET MOUNTED	13	(4.0)
PED. PUSHBUTTON	4	(1.2)
ELECTRIC SERVICE	13.5	(4.1)
SERVICE TO GROUND	13.5	(4.1)
POST MOUNTED	6	(1.8)

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: DENETTE PRICE
PHONE: (815) 724-5590
COMPANY: COMED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND CABLE PLAN

IL. ROUTE 129 (WASHINGTON ST.)
AT IL. ROUTE 113 (MAIN ST.)

SCALE: N.T.S.
DATE: 5/9/2007
DRAWN BY: FPB
DESIGNED BY: WCE
CHECKED BY: MJT/GMZ

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — SURVEYED / PLOTTED / ROUTED / CHECKED / R.O.W. CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE
PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD — NOTE BOOK NO. — BY — DATE

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