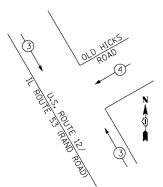


- <u>LEGEND</u> DUAL ENTRY PHASE
- # SINGLE ENTRY PHASE
- OVERLAP
- → # PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM EMERGENCY VEHICLE PREEMPTION SEQUENCE



	SED EMERGE E PREEMP	
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	1/1	/

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE				× % OPERATION	
SIGNAL (RED)	10	INCAND.	LED 17	0,50	85.0
(YELLOW)	10	-	25	0.25	62,5
(GREEN)	10		15	0.25	37.5
ARROW	4		12	0.10	4.8
PED. SIGNAL	4		25	1.0	100.0
CONTROLLER	1		100	1.0	100.0
ILLUM. SIGN	-		25	1.0	-
FLASHER	-			-	-
				TOTAL =	389.8

ENERGY SUPPLY

04_CablePlan_Rand&OldHicks.dgn

Y:	CONTACT: MICKI N	MULERO-WILLIAMS
_	PHONE: (630) 691	-4721
	COMPANY: COMED	

TYPE A - POST 4 HANDHOLE 6.5 ALL FOUNDATIONS
13 MAST ARM (L) POLE C - CONTROLLER W/UPS 4 DOUBLE HANDHOLE
D - CONTROLLER 4 SIGNAL POST 2 BRACKET MOUNTED E - MAST ARM POLE CONTROLLER CAB. 15 FIBER OPTIC 15 ELECTRIC SERVICE 13.5 1 SERVICE TO GROUND 25 GROUND CABLE 1 POST MOUNTED

WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY. INTERSECTION AND SAMPLING-(SYSTEM) DETECTORS "R" ⊙ DELAY CALL LOOPS PROPOSED INTERCONNECT TO DUNDEE RD NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT TRACER CABLE FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM. THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE FOUNDATION (DEPTH) (FT.) CABLE SLACK (FT.) VERTICAL

CABLE PLAN LEGEND

	<u> </u>	
EXISTING	PROPOSED	
\odot	G	8" TRAFFIC SIGNAL SECTION
R	R	12" TRAFFIC SIGNAL SECTION
(f) C	C A D	12" PEDESTRIAN SIGNAL SECTION C/D INDICATES COUNTDOWN SIGNAL HEAD
\boxtimes	M	CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
©<	-	EMERGENCY VEHICLE LIGHT DETECTOR
0(]	•-(CONFIRMATION BEACON
0	•	PEDESTRIAN PUSHBUTTON
#	#	# DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
1	1	NO. 14 1/C TRACER CABLE
Ø	24)	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM-12F SM-12F
	R Y G Y	SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD
"E" ③	©	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
"E"	®	ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
(1)	I	TELEPHONE CONNECTION
H/C ₄ II-o	С ₩•	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE(H), OR CONTROLLER(C)
P «⊩•	P (←	GROUND ROD AT POST (P) OR MAST ARM POLE (MA
S₁⊩o	S	GROUND ROD AT ELECTRICAL SERVICE
	(JPS)	UNINTERRUPTIBLE POWER SUPPLY
	"R"	RELOCATED
	<u>S(</u>	CHEDULE OF QUANTITIES

SCHEDULE OF QUANTITIES

ITEM

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH DETECTABLE WARNINGS COMBINATION CURB AND GUTTER REMOVAL SIDEWALK REMOVAL CONCRETE CURB, TYPE B COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 SIGN PANEL - TYPE 1 SIGN PANEL - TYPE 2 THERMOPLASTIC PAVEMENT MARKING - LINE 24" THERMOPLASTIC PAVEMENT MARKING REMOVAL CONDUIT IN TRENCH, 2" DIA., CALVANIZED STEEL CONDUIT IN TRENCH, 2" DIA., CALVANIZED STEEL CONDUIT IN TRENCH, 4" DIA., CALVANIZED STEEL CONDUIT IN TRENCH, 4" DIA., CALVANIZED STEEL CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL CONDUIT PUSHED, 2" 12" DIA., GALVANIZED STEEL CONDUIT PUSHED, 2" 12" DIA., GALVANIZED STEEL CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL CONDUIT CONTROLLER HAAVFOLD AND BACKFILL FOR ELECTRICAL WORK FULL-ACTUARED CONTROLLER AND TYPE IV CABINET, SPECIAL TRANSCEIVER - FIBER OPTIC ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 10 ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C TRAFFIC SIGNAL POST, GALVANIZED STEEL IS FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. CONCRETE FOUNDATION, TYPE C CONCRETE FOUN	SQ FT FOOT FOOT FOOT FOOT FOOT FOOT FOOT	443 48 30 460 30 18 15 19 120 430 226 59 150 28 4 1 1 1 1 1 1 1 1 1 1 1 1 1
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ONE NORTH FRANKLIN **JACOBS** CHICAGO IL, 60606 312-251-3000

COUNTY TOTAL SHEE NO.
COOK 80 14 CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SUMMARY OF QUANTITIES 2008-08-31 U.S. ROUTE 12 / IL 53 (RAND ROAD) AND OLD HICKS ROAD CONTRACT NO. 60F87 SCALE: N.T.S. SHEET NO. OF SHEETS STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

ENERGY COST TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 WEST CENTER COURT / SCHAUMBURG, IL 60196-1096

CH, RP REVISED DRAWN NY REVISED PLOT SCALE = \$SCALE\$ CHECKED MJL REVISED PLOT DATE = 1/27/2009 DATE - 1/22/2009 REVISED

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**