

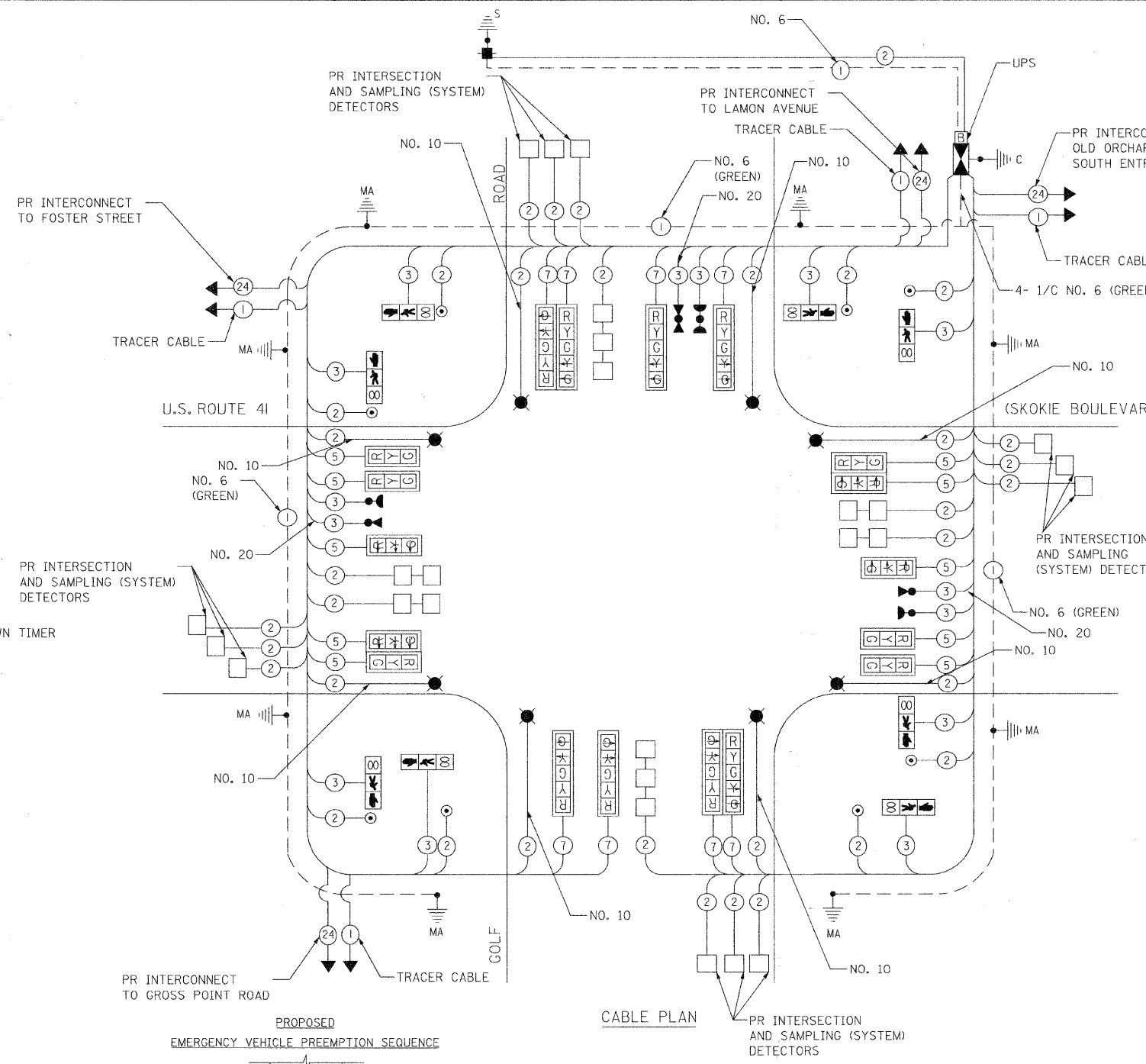
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	00-00242-00-CH	COOK	129	74
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO CONTROLLER CABINET

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
109	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
11	FOOT	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL
817	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
477	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
10	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
584	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
7	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1,601	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1,696	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1,913	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2,408	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
2,038	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1,514	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
225	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 20 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE C
120	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
10	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
8	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
8	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
18	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
18	EACH	INDUCTIVE LOOP DETECTOR
916	FOOT	DETECTOR LOOP, TYPE I
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
16	EACH	REMOVE EXISTING HANDHOLE
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
1,306	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
650	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
12	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	UNINTERRUPTIBLE POWER SUPPLY
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMINGS

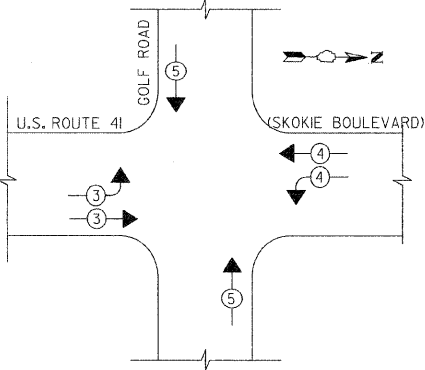
PLOT DATE = 11/19/08
 FILE NAME = BTLE14
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = BUSER8



CABLE PLAN LEGEND

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

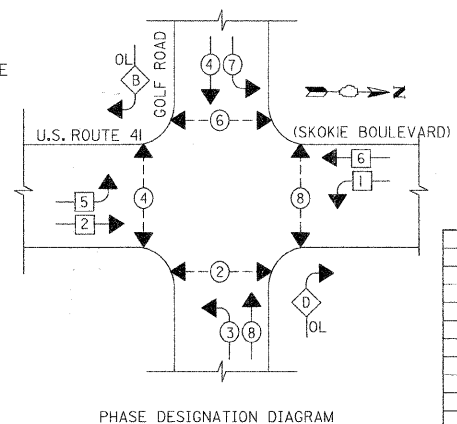
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- PEDESTRIAN PHASE
- OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED CONTROLLER SEQUENCE



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS SIGNAL SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**CABLE PLAN
 PHASE DESIGNATION DIAGRAM
 AND SCHEDULE OF QUANTITIES**
 U.S. ROUTE 41 (SKOKIE BOULEVARD) AND GOLF ROAD

SCALE NOT TO SCALE
 DATE 11-14-08

DRAWN BY SAG
 DESIGNED BY SRS
 CHECKED BY KMM

1051 PERIMETER DRIVE, SUITE 1025
 SHAMBOURG, ILLINOIS 60173
 (847) 605-9600
TranSystems

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE			TOTAL WATTAGE
		INCAND.	LED	OPERATION	
SIGNAL (RED)	18	---	17	0.50	153
(YELLOW)	18	---	25	0.25	113
(GREEN)	18	---	15	0.25	68
ARROW	16	---	12	0.10	19
PED SIGNAL	8	---	25	1.0	200
CONTROLLER	1	---	100	1.0	100
ILLUM. SIGN					

FLASHER ENERGY COSTS TO: VILLAGE OF SKOKIE 9050 GROSS POINT ROAD SKOKIE, IL, 60077
 ENERGY SUPPLY CONTACT: MR. LARRY SHANK PHONE: (847) 816-5465 COMPANY: COMED

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'+L-2'
E - M. ARM POLE	10 (3.0)	SIGNAL POST	2 (0.6)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.3)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.3)	POST MOUNTED	6 (1.8)