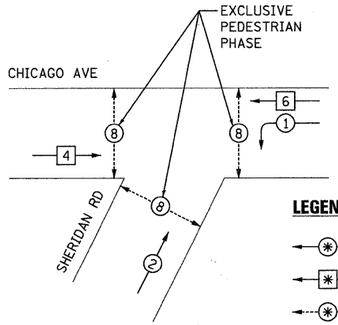
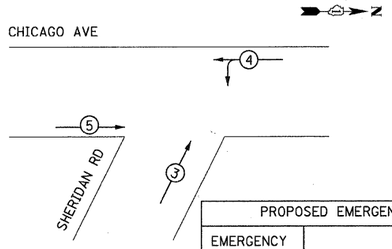
CONTROLLER SEQUENCE



LEGEND:

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE



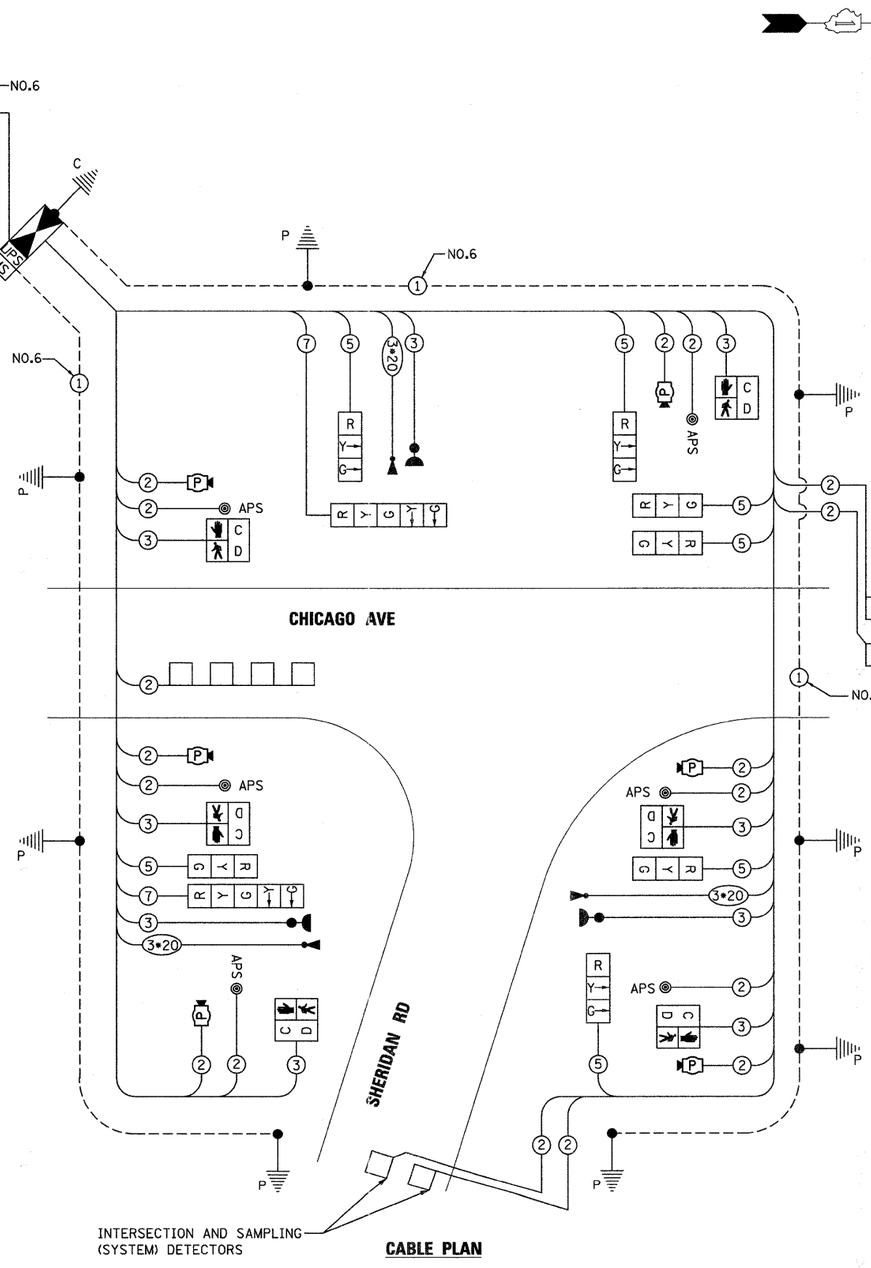
PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQIREMENTS		WATTAGE			TOTALL WATTAGE
TYPE	NO. OF LAMPS	x INCAND.	LED	x % OPERATION	
SIGNAL (RED)	9		17	0.50	76.5
(YELLOW)	6		25	0.25	37.5
(GREEN)	6		15	0.25	22.5
ARROW	10		12	0.10	12.0
PED. SIGNAL	6		25	1.00	150.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-		25	0.05	-
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	398.5

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY: CONTACT: LARRY SHANK
PHONE: (847) 816-5465
COMPANY: COMED

Stanley Consultants INC.



CABLE PLAN

RESTORATION OF WORK AREA

RESTORATION OF THE TRAFFIC SIGNAL 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.

NOTE:

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	145
DETECTABLE WARNINGS	SQ FT	24
COMBINATION CURB AND GUTTER REMOVAL	FOOT	54
SIDEWALK REMOVAL	SQ FT	395
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	54
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	428
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	92
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	6
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	46
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	154
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	144
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	13
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	162
HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	640
MASTER CONTROLLER IN TYPE IV CABINET	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,086
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,361
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	632
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	172
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,776
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	73
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	707
TRAFFIC SIGNAL POST, 16 FT.	EACH	1
TRAFFIC SIGNAL POST, 18 FT.	EACH	7
CONCRETE FOUNDATION, TYPE A	FOOT	32
CONCRETE FOUNDATION, TYPE C	FOOT	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	333
LIGHT DETECTOR, SPECIAL	EACH	3
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	407
MICROWAVE DETECTION UNIT	EACH	6
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
VIBROTACTILE FEATURE	EACH	6
LIGHT DETECTOR AMPLIFIER	EACH	1

FILE NAME = 07_023301-sht-cp007.dgn	USER NAME = USER:8291	DESIGNED - THG/MPW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - THG/MPW	REVISED -	
	PLOT SCALE = 1:1	CHECKED - SRS	REVISED -	
	PLOT DATE = 9/9/2011	DATE - 08/16/11	REVISED -	

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
SHERIDAN ROAD AND CHICAGO AVENUE

SCALE: N.T.S | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	10-00258-00TL	COOK	38	7
		CONTRACT NO. 63630		
	ILLINOIS FED. AID PROJECT			