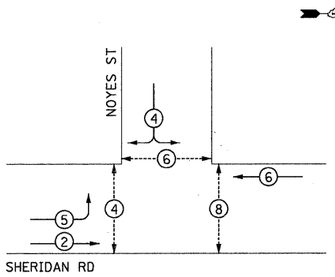
CONTROLLER SEQUENCE

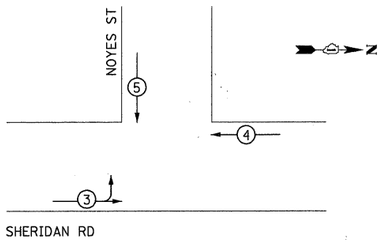


LEGEND:

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

PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE

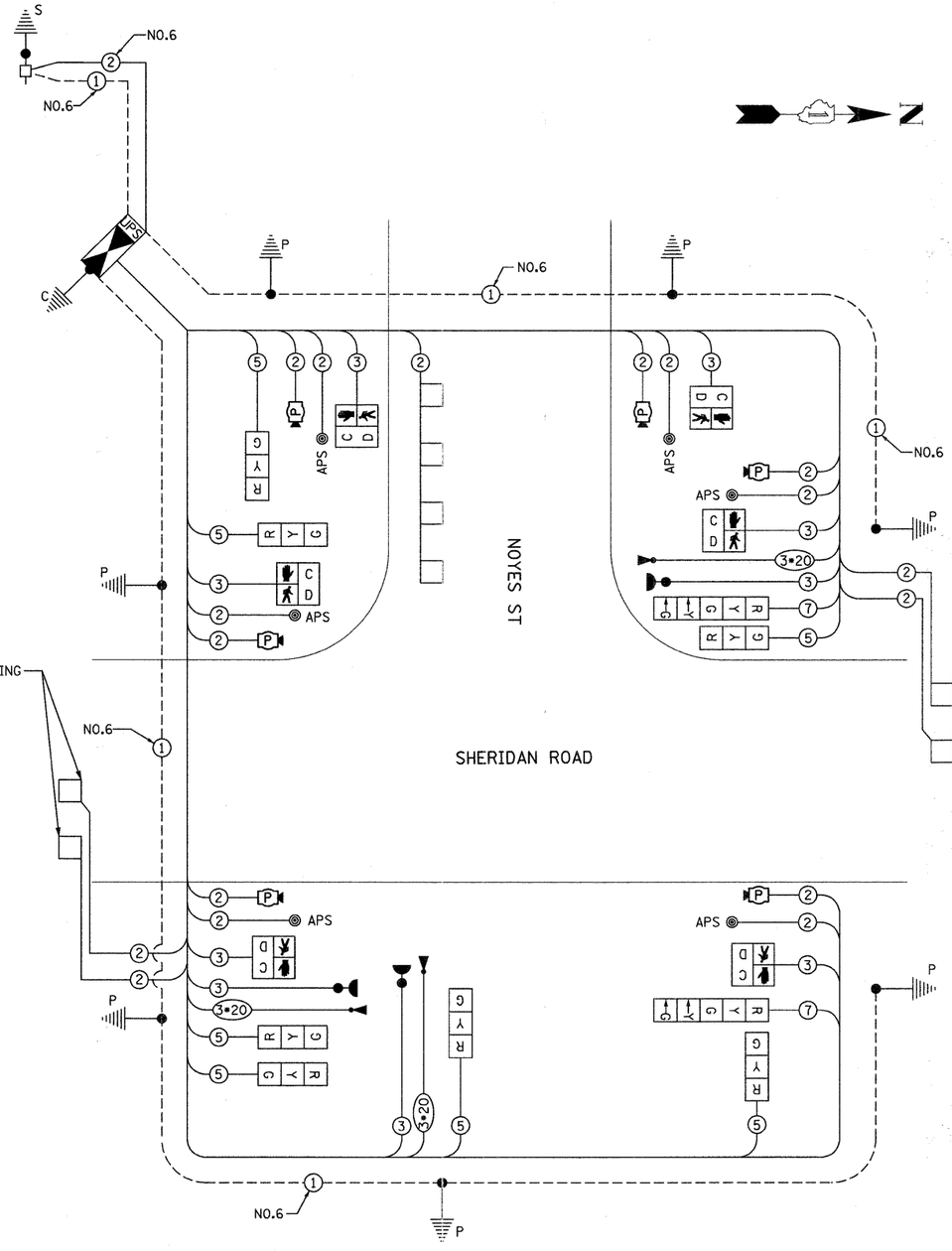


PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	4	3	5
MOVEMENT	←	↑	↓

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQIREMENTS					TOTALL WATTAGE
TYPE	NO. OF LAMPS	x WATTAGE INCAND.	LED	x % OPERATION	
SIGNAL (RED)	9		17	0.50	76.50
(YELLOW)	9		25	0.25	56.25
(GREEN)	9		15	0.25	33.75
ARROW	4		12	0.10	4.80
PED. SIGNAL	6		25	1.00	150.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	421.30

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



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	100
DETECTABLE WARNINGS	SQ FT	24
SIDEWALK REMOVAL	SQ FT	100
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	513
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	44
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	6
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	291
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	47
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	14
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	135
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	630
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,336
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,054
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	688
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	402
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,491
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	333
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	268
TRAFFIC SIGNAL POST, 18 FT.	EACH	7
CONCRETE FOUNDATION, TYPE A	FOOT	28
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	247
LIGHT DETECTOR, SPECIAL	EACH	3
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	392
MICROWAVE DETECTION UNIT	EACH	6
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
VIBROTACTILE FEATURE	EACH	6
LIGHT DETECTOR AMPLIFIER	EACH	1

Stanley Consultants INC.

FILE NAME =	USER NAME = USER:8291	DESIGNED - THG/MPW	REVISED -
17_D23301-sht-cp010.dgn		DRAWN - THG/MPW	REVISED -
	PLOT SCALE = 1:1	CHECKED - SRS	REVISED -
	PLOT DATE = 9/9/2011	DATE - 08/16/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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	17
		CONTRACT NO. 63630		
		ILLINOIS FED. AID PROJECT		