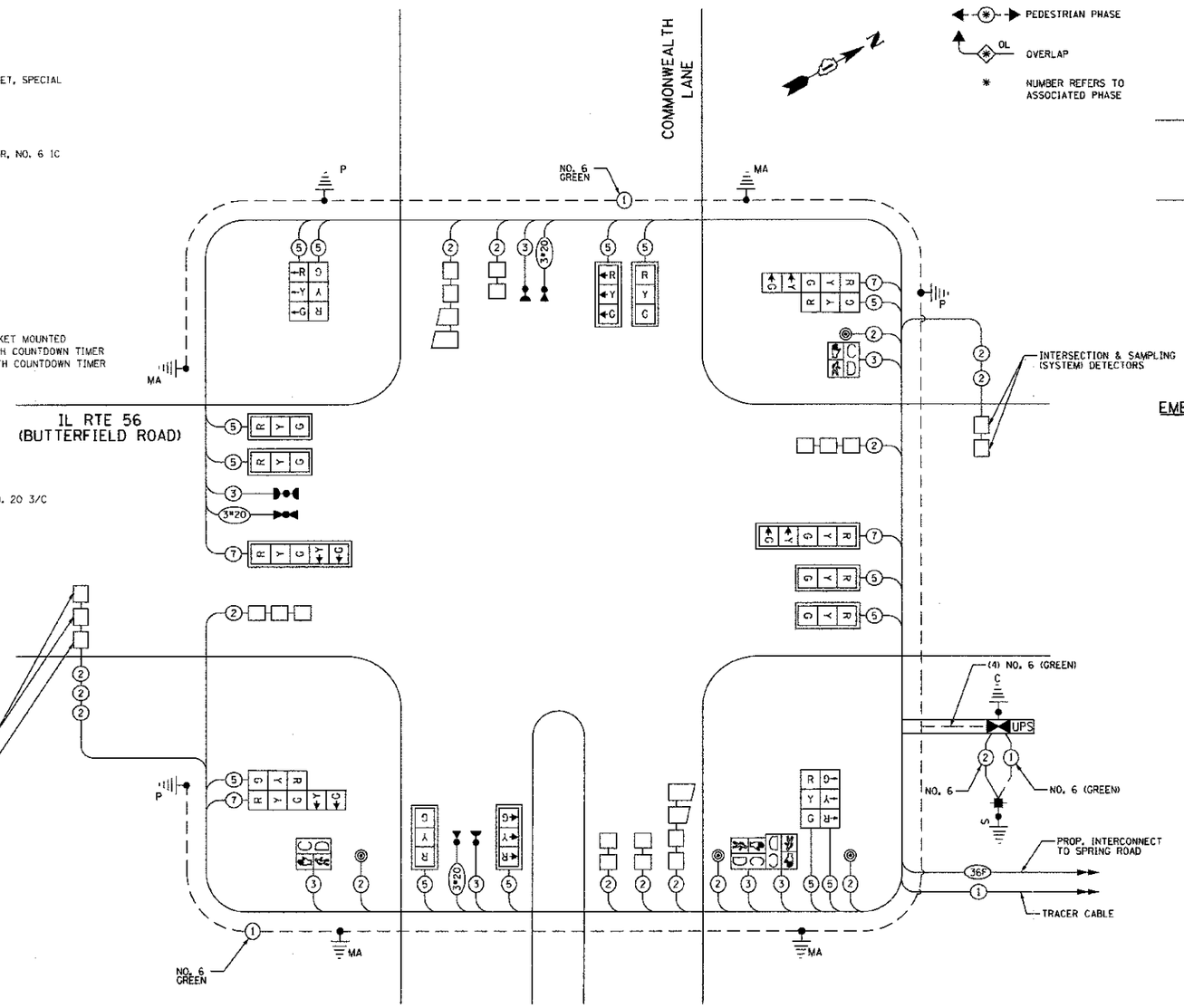
SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
30	SQ. FT.	SIGN PANEL-TYPE 1
55	SQ. FT.	SIGN PANEL-TYPE 2
1105	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
74	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
117	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
395	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
4	EACH	HANDHOLE
5	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	FULL-ACTUATED DOUBLE DOOR CONTROLLER AND TYPE IV CABINET, SPECIAL
532	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1366	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2816	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
853	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2383	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
558	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, 14 FT.
2	EACH	TRAFFIC SIGNAL POST, 16 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 24 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 46 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 50 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 58 FT.
12	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
10	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
28	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
21	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
8	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
1	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
10	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
12	EACH	INDUCTIVE LOOP DETECTOR
851	FOOT	DETECTOR LOOP, TYPE 1
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
11	EACH	REMOVE EXISTING HANDHOLE
10	EACH	REMOVE EXISTING CONCRETE FOUNDATION
807	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	SERVICE INSTALLATION- POLE MOUNTED
1	EACH	UNINTERRUPTABLE POWER SUPPLY, EXTENDED
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

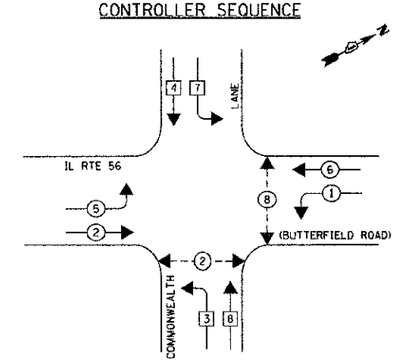
LEGEND

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



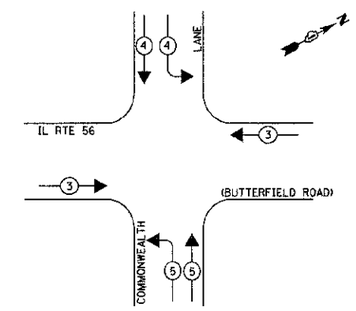
CABLE PLAN
NOT TO SCALE

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

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

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

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	
SIGNAL (RED)	18	135	17	0.50	153
(YELLOW)	18	135	25	0.25	113
(GREEN)	18	135	15	0.25	68
ARROW	8	135	12	0.10	10
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	0	100	90	1.00	0
				TOTAL =	544

ENERGY COSTS TO:
CITY OF ELMHURST
209 N. YORK STREET
ELMHURST, IL 60126

ENERGY SUPPLY CONTACT: DEB RANKIN
PHONE: (630) 691-4379
COMPANY: COMMONWEALTH EDISON COMPANY

NOTES:

1. ALL TRAFFIC SIGNAL HEADS SHALL BE ALL BLACK.
2. ALL OTHER TRAFFIC SIGNAL EQUIPMENT SHALL BE PAINTED ALPHA BRONZE IN ACCORDANCE WITH CITY OF ELMHURST STANDARDS.
3. ALL EVP EQUIPMENT SHALL BE OPTICOM.

USER NAME = tkeandell	DESIGNED - JSL	REVISED - 10/10/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
FILE NAME = 01X0028-"S-Sheet3.dgn	DRAWN - JSL	REVISED -	
PLOT SCALE = 600.0000 ' / FT.	CHECKED - RPJ	REVISED -	
PLOT DATE = 10/21/2012	DATE - 10/22/2012	REVISED -	

TranSystems

ILLINOIS ROUTE 56 (BUTTERFIELD ROAD) AT COMMONWEALTH LANE
PROPOSED TRAFFIC SIGNAL CABLE PLAN,
SEQUENCE OF OPERATIONS AND SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 50 OF 108 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	09-00170-00-CH	DUPAGE	108	50

CONTRACT NO. 63742

FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT

FILE NAME = g:\chd01\0028\proj\sheets\01X0028 TS Sheet3.dgn