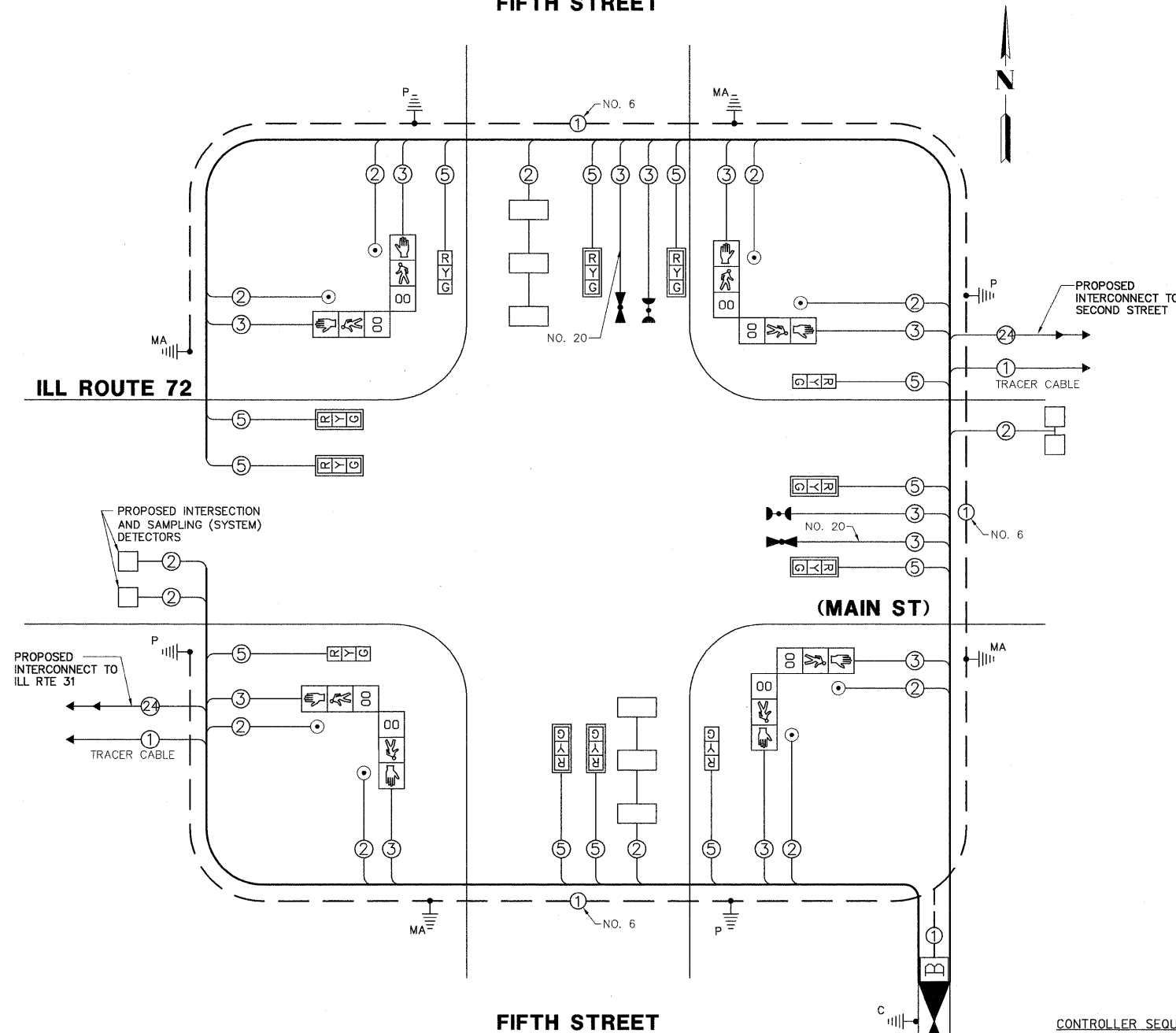


SCHEDULE OF QUANTITIES
ILL RTE 72 (MAIN STREET) AND FIFTH STREET
TRAFFIC SIGNAL MODIFICATION PLAN

NO.	QUANT.	UNIT	ITEM
1.	950	SQ. FT.	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
2.	96	SQ. FT.	DETECTABLE WARNINGS
3.	950	SQ. FT.	SIDEWALK REMOVAL
4.	150	FOOT	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
5.	3	CAL. NO.	ENGINEER'S FIELD OFFICE, TYPE A
6.	1	L.SUM	MOBILIZATION
7.	1	L.SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
8.	1	L.SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606
9.	1	L.SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
10.	1	L.SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801
11.	12	SQ. FT.	SIGN PANEL - TYPE 1
12.	25	SQ. FT.	SIGN PANEL - TYPE 2
13.	130	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 4"
14.	300	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6"
15.	75	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
16.	350	SQ. FT.	PAVEMENT MARKING REMOVAL
17.	587	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
18.	109	FOOT	CONDUIT IN TRENCH, 2-1/2" DIA., GALVANIZED STEEL
19.	10	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
20.	79	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
21.	179	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
22.	5	EACH	HANDHOLE
23.	1	EACH	DOUBLE HANDHOLE
24.	685	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
25.	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
26.	1	EACH	TRANSCEIVER - FIBER OPTIC
27.	975	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C
28.	1,305	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C
29.	1,765	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C
30.	1,290	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
31.	160	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
32.	4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT
33.	4	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.
34.	16	FOOT	CONCRETE FOUNDATION, TYPE A
35.	4	FOOT	CONCRETE FOUNDATION, TYPE C
36.	40	FOOT	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER
37.	8	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST-ARM MOUNTED
38.	4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED
39.	8	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
40.	8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM
41.	5	EACH	INDUCTIVE LOOP DETECTOR
42.	320	FOOT	DETECTOR LOOP, TYPE I
43.	2	EACH	LIGHT DETECTOR
44.	1	EACH	LIGHT DETECTOR AMPLIFIER
45.	8	EACH	PEDESTRIAN PUSH-BUTTON
46.	1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
47.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
48.	7	EACH	REMOVE EXISTING HANDHOLE
49.	9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
50.	1	EACH	TEMPORARY TRAFFIC SIGNAL TIMINGS
51.	1	EACH	SERVICE INSTALLATION - POLE MOUNTED
52.	1	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS)
53.	515	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
54.	260	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED
55.	325	SQ. FT.	BRICK PAVEMENT REMOVAL AND REPLACEMENT
56.	4	EACH	PAINT NEW MAST ARM AND POLE, UNDER 12.19 METER (40 FEET)
57.	4	EACH	PAINT NEW TRAFFIC SIGNAL POST
* 100% RESPONSIBILITY TO THE VILLAGE OF WEST DUNDEE			

FIFTH STREET

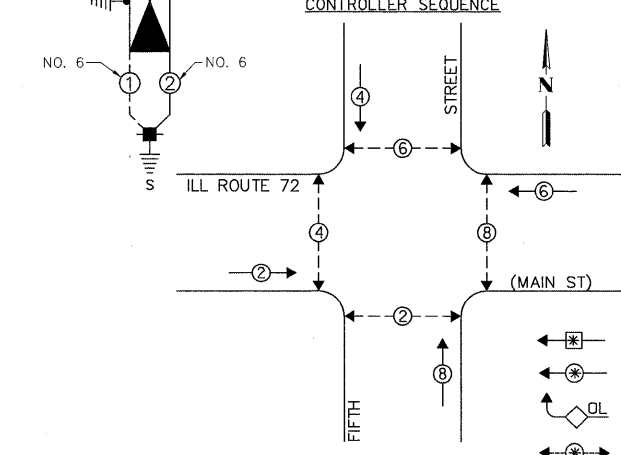


CABLE PLAN

CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		8" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		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.
		GROUND CABLE IN CONDUIT NO. 6 2 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 6 2.5/125 MM12F SM24F
		SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD
		RAILROAD CONTROL CABINET
		ILLUMINATED SIGN "NO LEFT TURN"
		ILLUMINATED SIGN "NO RIGHT TURN"
		GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
		GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		UNINTERRUPTIBLE POWER SUPPLY (UPS)
		12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER

CONTROLLER SEQUENCE

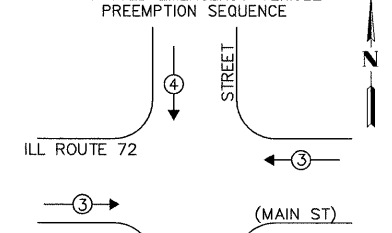


PHASE DESIGNATION DIAGRAM

LEGEND

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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	—	

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

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

TYPE	NO LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	L.E.D.		
SIGNAL (RED)	20	135	17	0.50	170.0
SIGNAL (YELLOW)	20	135	25	0.25	125.0
SIGNAL (GREEN)	20	135	15	0.25	75.0
ARROW	-	135	12	0.10	-
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
TOTAL =					695.0

FOUNDATION (DEPTH)	(FT.)	CABLE SLACK	(FT.)	VERTICAL	(FT.)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
TYPE D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2"
TYPE E - MAST ARM POLE	10	SIGNAL POST	2	BRACKET MOUNTED	13
30' (30'-40')	10	CONTROLLER CAB.	1	PED. PUSHBUTTON	4
36' (40'-48')	13	FIBER OPTIC CAB.	13	ELECTRIC SERVICE	13.5
36' (50'-55')	15	ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
		GROUND CABLE	1	POST MOUNTED	6

ENERGY COSTS - BILLED TO: VILLAGE OF WEST DUNDEE
(ADDRESS) 102 S. 2ND STREET
WEST DUNDEE, IL
ENERGY SUPPLY - CONTACT: NEW BUSINESS
PHONE: 1-866-639-3552
COMPANY: COMED - ELGIN

FILE NAME = 4085.850-TR1.dwg
USER NAME =
DESIGNED - JRD
DRAWN - PJS
CHECKED - KLB
DATE - 6-24-2009

REVISIONS:
REVISIONED -
REVISIONED -
REVISIONED -
REVISIONED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES ILL RTE 72 (MAIN ST) AND FIFTH ST.

SCALE: NONE SHEET NO. 10 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2009-081TS	KANE	13	10

CONTRACT #: 60120
ILLINOIS FED. AID PROJECT