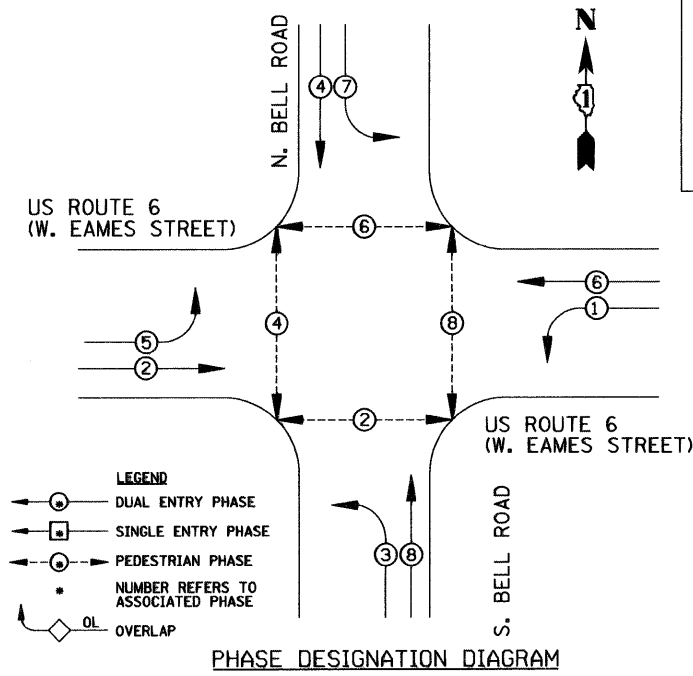
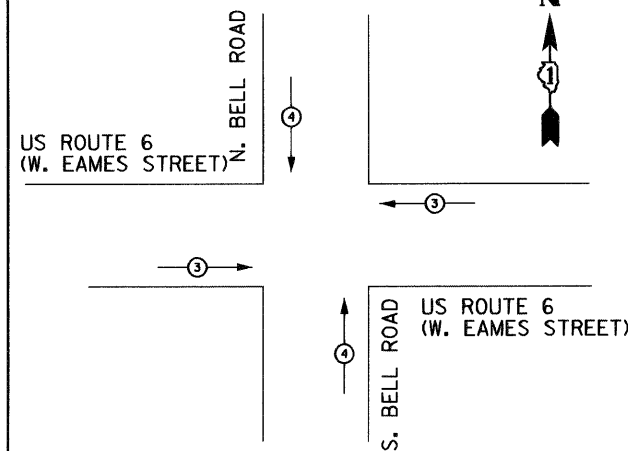


CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTOR			
EMERGENCY VEHICLE PREEMPTOR	3	4	
MOVEMENT	←	↑	

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. LED	%OPERATION		
SIGNAL (RED)	16	135	17	0.50	136
(YELLOW)	16	135	25	0.25	100
(GREEN)	16	135	15	0.25	60
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER					0.50

ENERGY COSTS TO: TOTAL = 615.2
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W. CENTER COURT
 SCHAUMBURG, IL 60196

ENERGY SUPPLY CONTACT: _____
 PHONE: _____
 COMPANY: COMED

FILE NAME = \MICROST\352086\ USER NAME = RDS
 DESIGNED - KK REVISED -
 DRAWN - RDS REVISED -
 CHECKED - BPT REVISED -
 PLOT SCALE = 1"=20' DATE - 12-24-09 REVISED -

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.

CONSTRUCTION NOTE:
 ① 7 - CONDUCTOR CABLES TO BE USED TO ALLOW INSTALLATION OF FIVE SECTION HEAD IN FUTURE TO PERMIT RIGHT TURN OVERLAPS.

SCHEDULE OF QUANTITIES

AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	13
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	2
SIGN PANEL, TYPE 1	SQ FT	10.5
SIGN PANEL, TYPE 2	SQ FT	30.0
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	43
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	27
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	61
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	19
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	92
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	70
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1158
**ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1496
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	238
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2518
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
DRILL EXISTING HANDHOLE	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	8
*RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	496
*ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED & SHIELDED	FOOT	282
REMOVE EXISTING TEMPORARY TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE TO DOUBLE HANDHOLE	EACH	1

*100% OF THE COST TO THE VILLAGE OF CHANNAHON
 **PARTIAL COST TO THE VILLAGE OF CHANNAHON

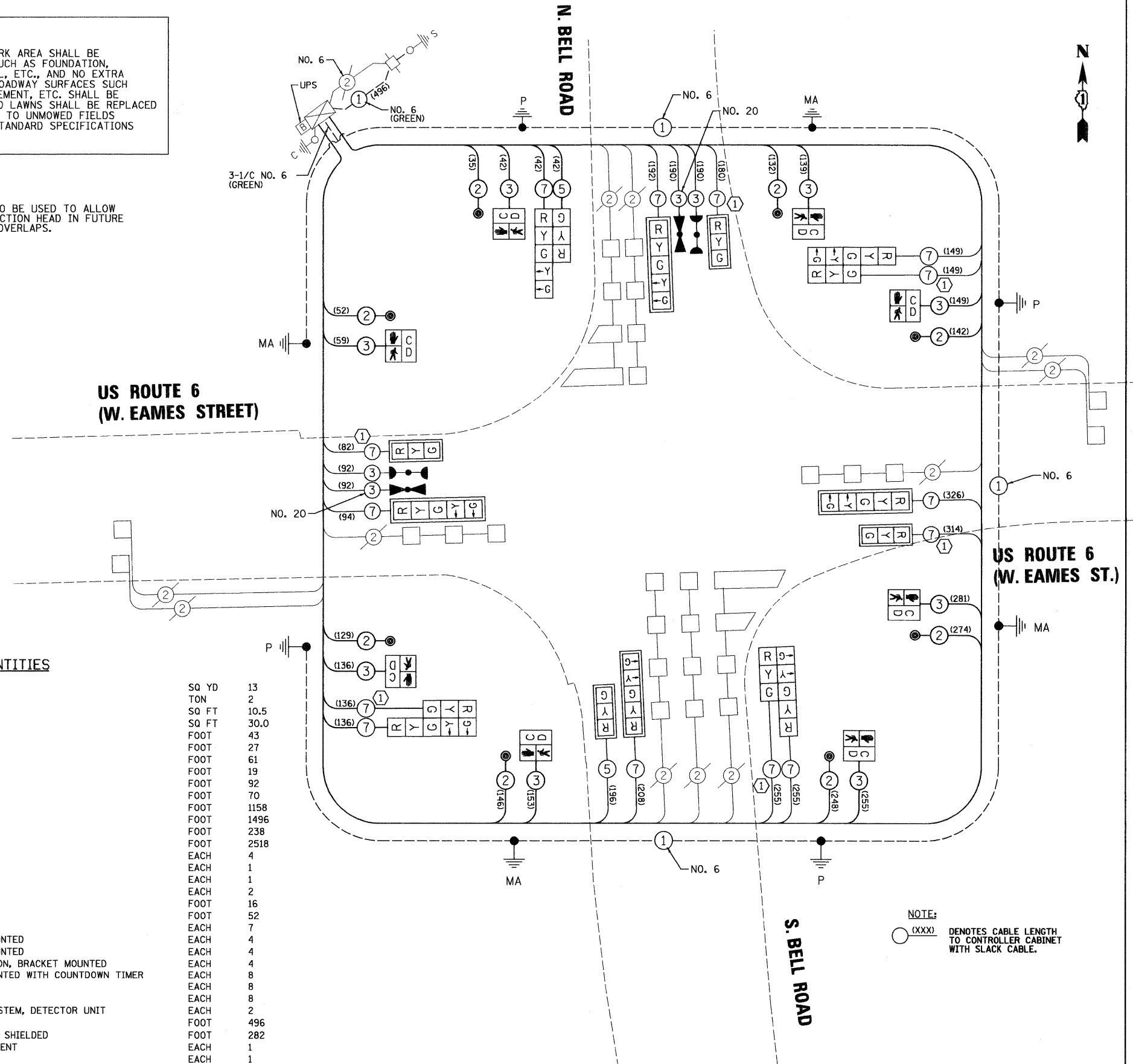
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION US ROUTE 6 (EAMES STREET) AT BELL ROAD				
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA.	TO STA.

PREPARED BY:
CEMCON, Ltd.
 Consulting Engineers, Land Surveyors & Planners
 2280 White Oak Circle, Suite 100
 Aurora, Illinois 60504-9675
 Ph: 630.862.2100 Fax: 630.862.2199
 E-Mail: codd@cemcon.com Website: www.cemcon.com

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	2009-130 TS	WILL	13	12

CONTRACT NO. 60J90
 ILLINOIS FED. AID PROJECT



CABLE PLAN

NOTE:
 (XXX) DENOTES CABLE LENGTH TO CONTROLLER CABINET WITH SLACK CABLE.