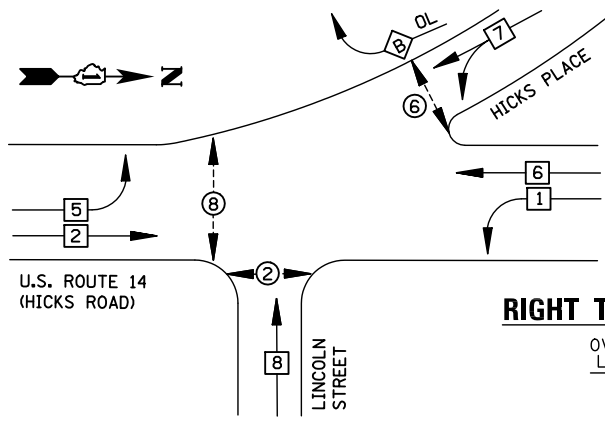


EXISTING AND PROPOSED CONTROLLER SEQUENCE



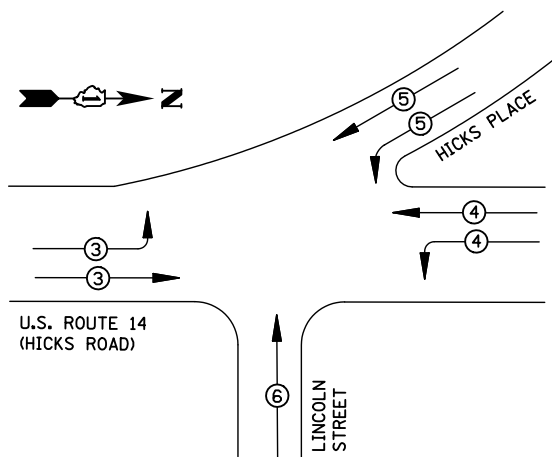
- LEGEND**
- ⊕ DUAL ENTRY PHASE
 - ⊖ SINGLE ENTRY PHASE
 - ⊙ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE
 - OL OVERLAP

RIGHT TURN OVERLAP DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 7	+ 5

U.S. ROUTE 14 (HICKS ROAD)

EXISTING AND PROPOSED PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	≡	≡	≡	≡

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	18	135	17	0.50	153
(YELLOW)	18	135	25	0.25	112.5
(GREEN)	18	135	15	0.25	67.5
ARROW	9	135	12	0.10	10.8
PED. SIGNAL	6	90	25	1.00	150
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER		135	25	0.50	

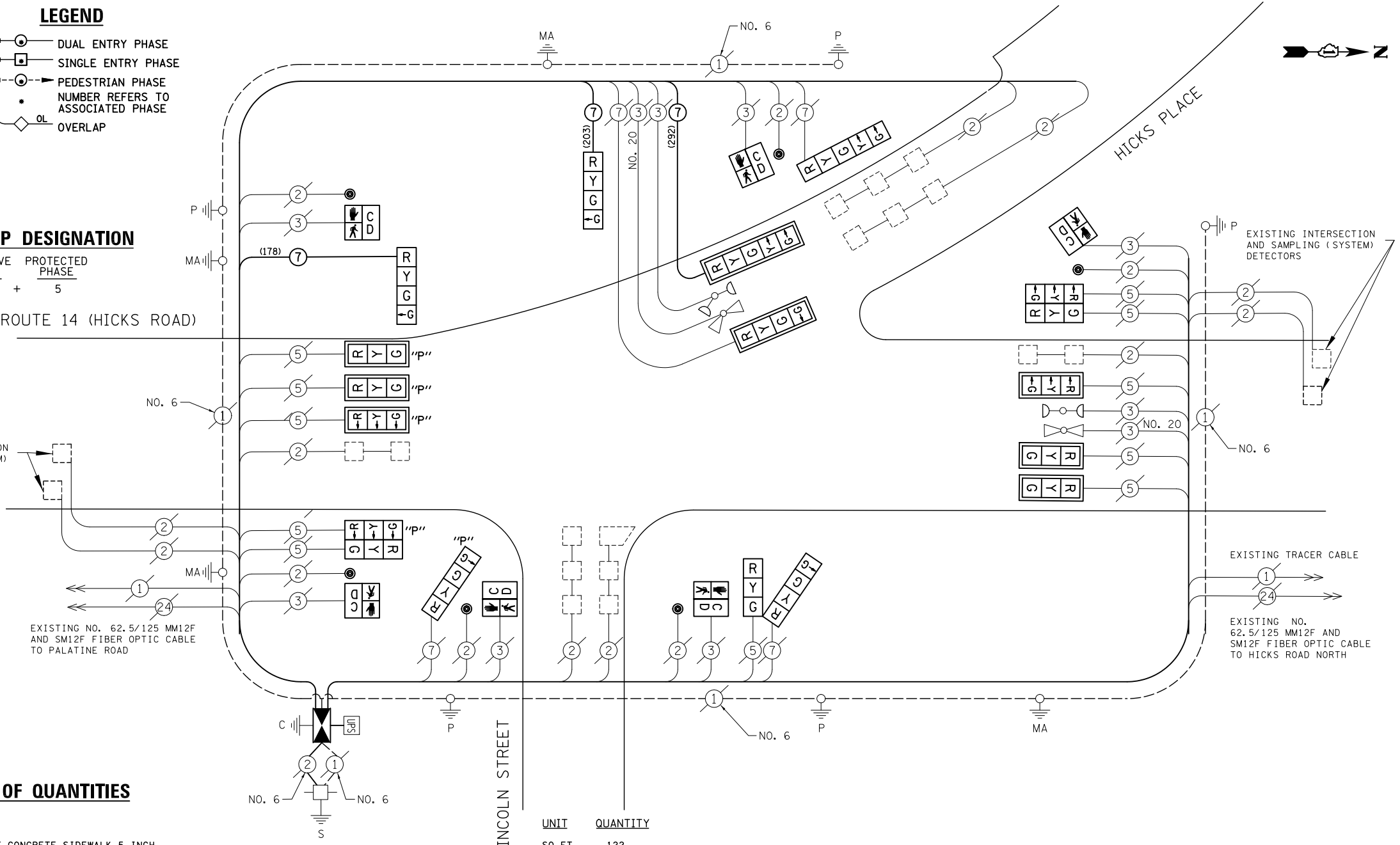
ENERGY COSTS TO: TOTAL = 593.8
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W. CENTER COURT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY CONTACT: DAVE SCHACHT
 PHONE: 1-(630) 847-2129
 COMPANY: COMED

SCHEDULE OF QUANTITIES

- ITEM**
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
 - DETECTABLE WARNINGS
 - SIDEWALK REMOVAL
 - SIGN PANEL, TYPE 1
 - THERMOPLASTIC PAVEMENT MARKING - LINE 6"
 - THERMOPLASTIC PAVEMENT MARKING - LINE 24"
 - PAVEMENT MARKING REMOVAL
 - UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
 - MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
 - TRANSCIVER - FIBER OPTIC
 - ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
 - SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
 - SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED
 - SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED
 - SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
 - SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
 - SIGNAL HEAD, LED, 2-FACE, 3 SECTION, BRACKET MOUNTED
 - SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED
 - OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
 - OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED
 - COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED
 - PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
 - TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
 - INDUCTIVE LOOP DETECTOR
 - PEDESTRIAN PUSH BUTTON
 - RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
 - REMOVE ELECTRIC CABLE FROM CONDUIT
 - REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
 - BRICK SIDEWALK
 - BRICK SIDEWALK REMOVAL
 - FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
 - UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED
- * 100% COST TO THE VILLAGE OF PALATINE

UNIT	QUANTITY
SO FT	122
SO FT	68
SO FT	99
SO FT	7.5
FOOT	280
FOOT	119
SO FT	378
FOOT	22
EACH	1
EACH	1
FOOT	673
EACH	3
EACH	2
EACH	1
EACH	1
EACH	1
EACH	1
EACH	1
EACH	3
EACH	1
EACH	1
EACH	1
EACH	6
EACH	8
EACH	10
EACH	6
EACH	1
FOOT	381
EACH	1
SO FT	22
SO FT	45
EACH	1
EACH	1

CABLE PLAN



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

TS# 1235

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: cadd@cemcon.com Website: www.cemcon.com

FILE NAME = \MICROST\352103\ US 14 & LINCOLN CAB.DWG

USER NAME = JGC
 PLOT SCALE = 1"=20'
 PLOT DATE = 03-07-13

DESIGNED - BPT	REVISED -
DRAWN - RDS/JGC	REVISED -
CHECKED - BPT	REVISED -
DATE - 03-07-13	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN
 AND PHASE DESIGNATION DIAGRAM
 U.S. ROUTE 14 (HICKS ROAD) AT LINCOLN STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2012-042 TS	COOK	36	27

CONTRACT NO. 60T90
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT