

LEGEND

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

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↗↘

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

TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	-	17	0.50	136.0
(YELLOW)	16	-	25	0.25	100.0
(GREEN)	16	-	15	0.25	60.0
ARROW	16	-	12	0.10	19.2
PED. SIGNAL	8	-	25	1.00	200.0
CONTROLLER	1	100	-	1.00	100.0
ILLUM. SIGN	-	-	25	0.50	-
VIDEO SYSTEM	-	-	-	1.00	-
BATTERY BACKUP	1	25	-	1.00	25.0
LUMINAIRE	-	-	-	0.50	-
FLASHER	-	-	25	0.50	-
TOTAL =					640.2

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
 201 WEST CENTER COURT
 SCHAMBURG, IL 60196-1096

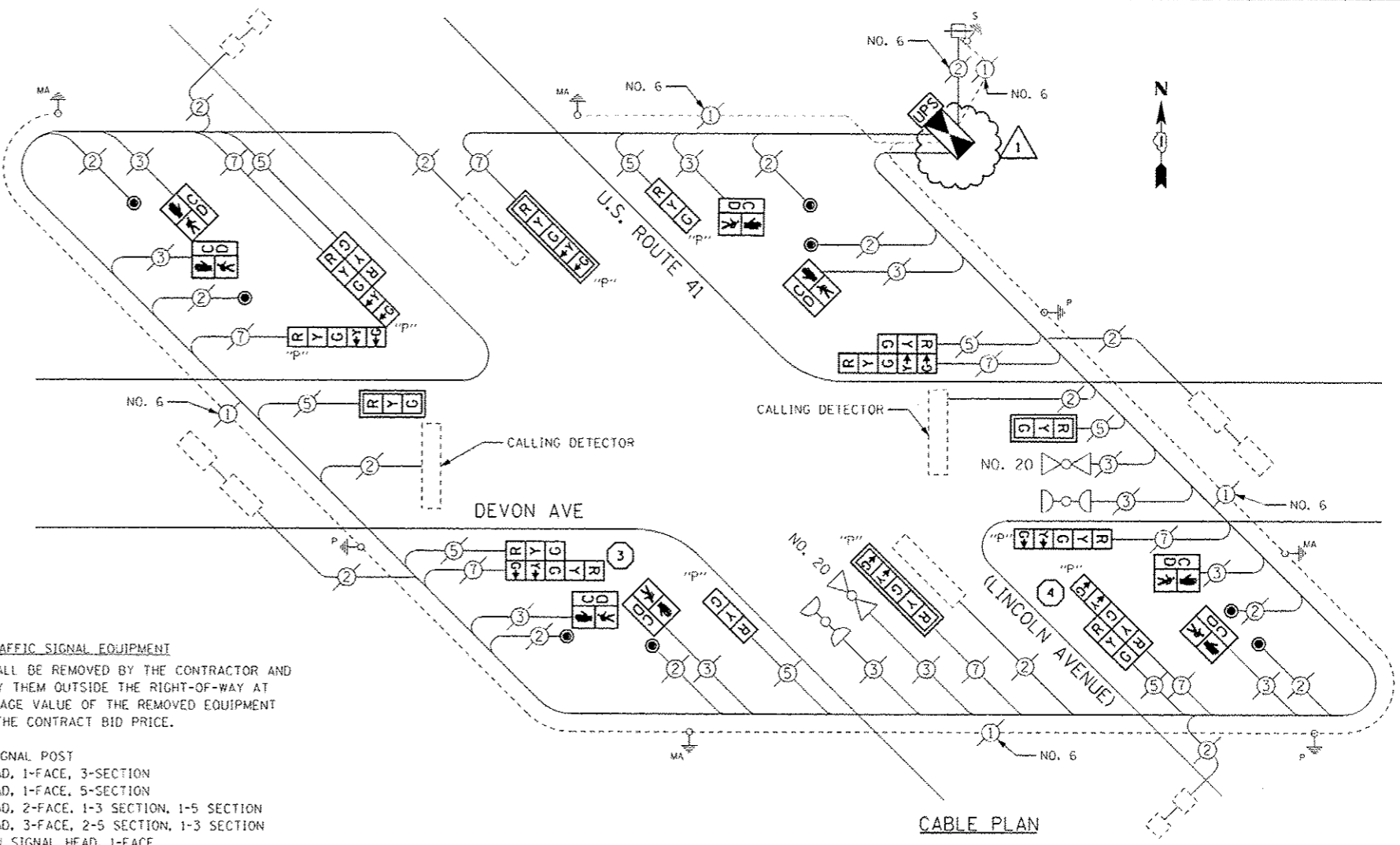
ENERGY SUPPLY- CONTACT: TERRI BLECK
 PHONE: 847-816-5239
 COMMONWEALTH EDISON

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT
 THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 2 EACH TRAFFIC SIGNAL POST
- 4 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 3 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 3 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 1 EACH SIGNAL HEAD, 3-FACE, 2-5 SECTION, 1-3 SECTION
- 6 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 1 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 8 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH CONTROLLER AND CABINET

SCHEDULE OF QUANTITIES

ITEMS	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-5 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED	EACH	1
COMBINATION SIGNAL HEAD, LED, 3-FACE, 2-5 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	4
PEDESTRIAN PUSH-BUTTON	EACH	8
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	8



NOTE
 CONTRACTOR SHALL RELOCATE PREEMPTION PHASE SELECTOR AND "SMART MICRO" RADAR DETECTION SYSTEMS FROM EXISTING CONTROLLER CABINET TO PROPOSED CONTROLLER CABINET OR AS DIRECTED BY ENGINEER. RELOCATION OF THESE SYSTEMS, INCLUDING ALL NECESSARY HARDWARE, CABLES, AND CONNECTIONS, SHALL BE INCLUDED IN THE COST OF FULL-ACTUATED CONTROLLER AND TYPE IV CABINET.

- CONSTRUCTION NOTES**
- 3 THE CONTRACTOR SHALL REPLACE THE EXISTING TRAFFIC SIGNAL POST WITH THE PROPOSED TRAFFIC SIGNAL POST, 16 FT. AND ATTACH THE PROPOSED POST TO THE EXISTING FOUNDATION.
 - 4 THE CONTRACTOR SHALL REPLACE THE EXISTING TRAFFIC SIGNAL POST WITH THE PROPOSED TRAFFIC SIGNAL POST, 18 FT. AND ATTACH THE PROPOSED POST TO THE EXISTING FOUNDATION.

FILE NAME: 0168782-sh1-151585.dgn	USER NAME: SJohnson	DESIGNED: PHL	REVISED: BKS 5-12-2014
PLT SCALE: 1/4"=1'-0"	PLT DATE: 5/14/2014	DRAWN: PHL	REVISIONS:
DATE: 03/09/2014	CHECKED: BKS	DATE: 03/09/2014	REVISIONS:

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 41 (LINCOLN AVE) AT DEVON AVE - CABLE PLAN
SCHEDULE OF QUANTITIES, PHASE DESIG. DIAGRAM & EVP SEQUENCE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2014-00715	COOK	88	33
CONTRACT NO. 60X82			[ILLINOIS] FED. AID PROJECT	

TS 1505
 LINCOLNWOOD