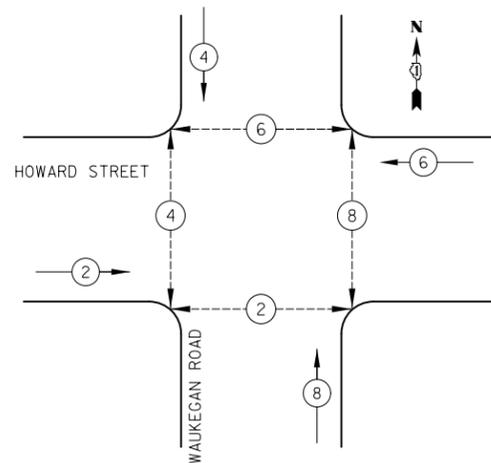
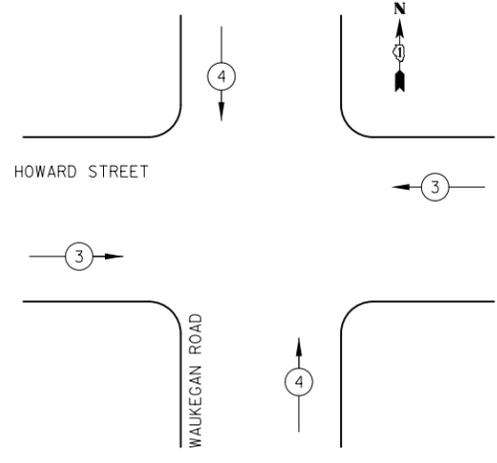


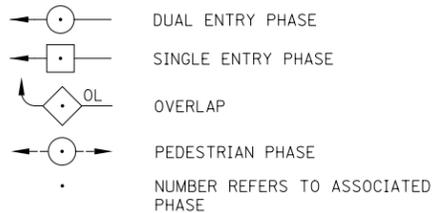
CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

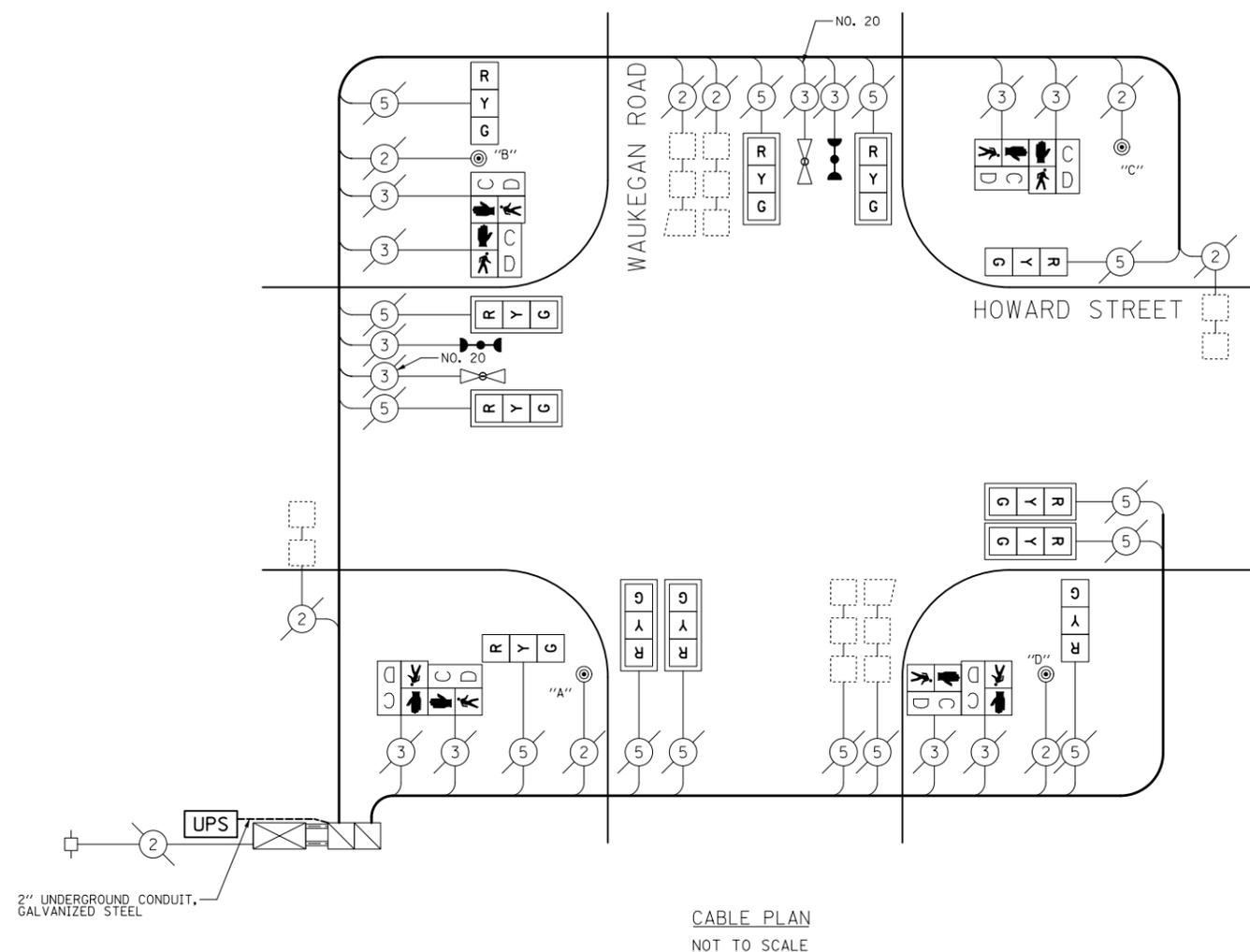


EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

PHASE DESIGNATION DIAGRAM

NOTES

- REPLACEMENT OF THE EXISTING CONFIRMATION BEACONS WITH NEW LED CONFIRMATION BEACONS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED".
- THE UNINTERRUPTABLE POWER SUPPLY SHALL BE INSTALLED ON A SEPARATE TYPE "A" SQUARE FOUNDATION DUE TO THE PHYSICAL CONSTRAINTS OR AS DIRECTED BY THE ENGINEER. THIS WORK, INCLUDING THE CONCRETE FOUNDATION, DRILLING THE EXISTING HANDHOLE, ALL CONDUIT AND ELECTRICAL CABLE NEEDED TO PROPERLY INSTALL THE UNINTERRUPTABLE POWER SUPPLY AND ALL RESTORATION SPECIFIED IN THE RESTORATION OF WORK AREA GENERAL NOTE SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED" AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
- THE CONTRACTOR SHALL LOCATE THE EXISTING ELECTRICAL SERVICE CONDUIT TO THE CONTROLLER. THE UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED SHALL BE LOCATED TO THE WEST OF THE EXISTING CONTROLLER CABINET, AS FAR AS POSSIBLE FROM THE BACK OF CURB WITHOUT IMPACTING THE EXISTING SERVICE CONDUIT, OR AS DIRECTED BY THE ENGINEER. ANY DAMAGE TO THE SERVICE CONDUIT OR CABLE SHALL BE REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
TOTAL =					522

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: COM ED
PHONE: (866) 639-3532
COMPANY: COM ED

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	8
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	4

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.

- 4 EACH PEDESTRIAN PUSH-BUTTON, NON-LATCHING
- 4 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

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

TS 11260 NILES



USER NAME = jrt	DESIGNED - BRD	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - JRT	REVISED -
PLOT DATE = 12/2/2013	CHECKED - JJE	REVISED -
	DATE - 12/02/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES
HOWARD STREET AT WAUKEGAN ROAD

NOT TO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2013-055TS	COOK	73	41
CONTRACT NO. 60X16				
ILLINOIS FED. AID PROJECT				