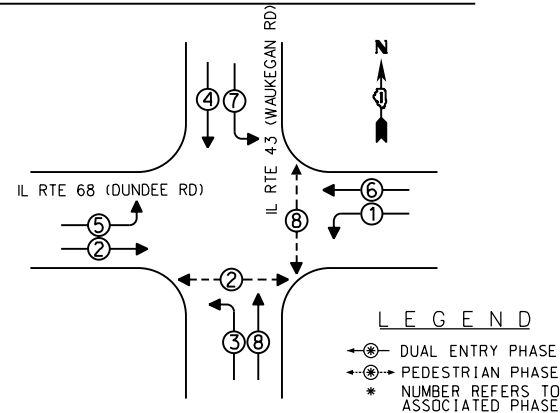
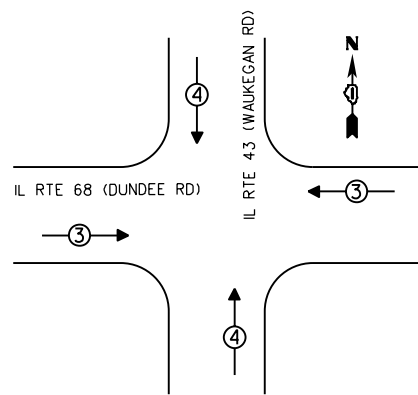


EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

REPLACE ALL EXISTING TRAFFIC SIGNAL HEADS

REMOVE 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.

QUANTITY	UNIT	DESCRIPTION
3	EACH	TRAFFIC SIGNAL POST
3	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
4	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, 2-3-SECTION, 1-5-SECTION
2	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE
1	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE
5	EACH	TRAFFIC SIGNAL BACKPLATE
3	EACH	PEDESTRIAN PUSHBUTTON

SCHEDULE OF QUANTITIES

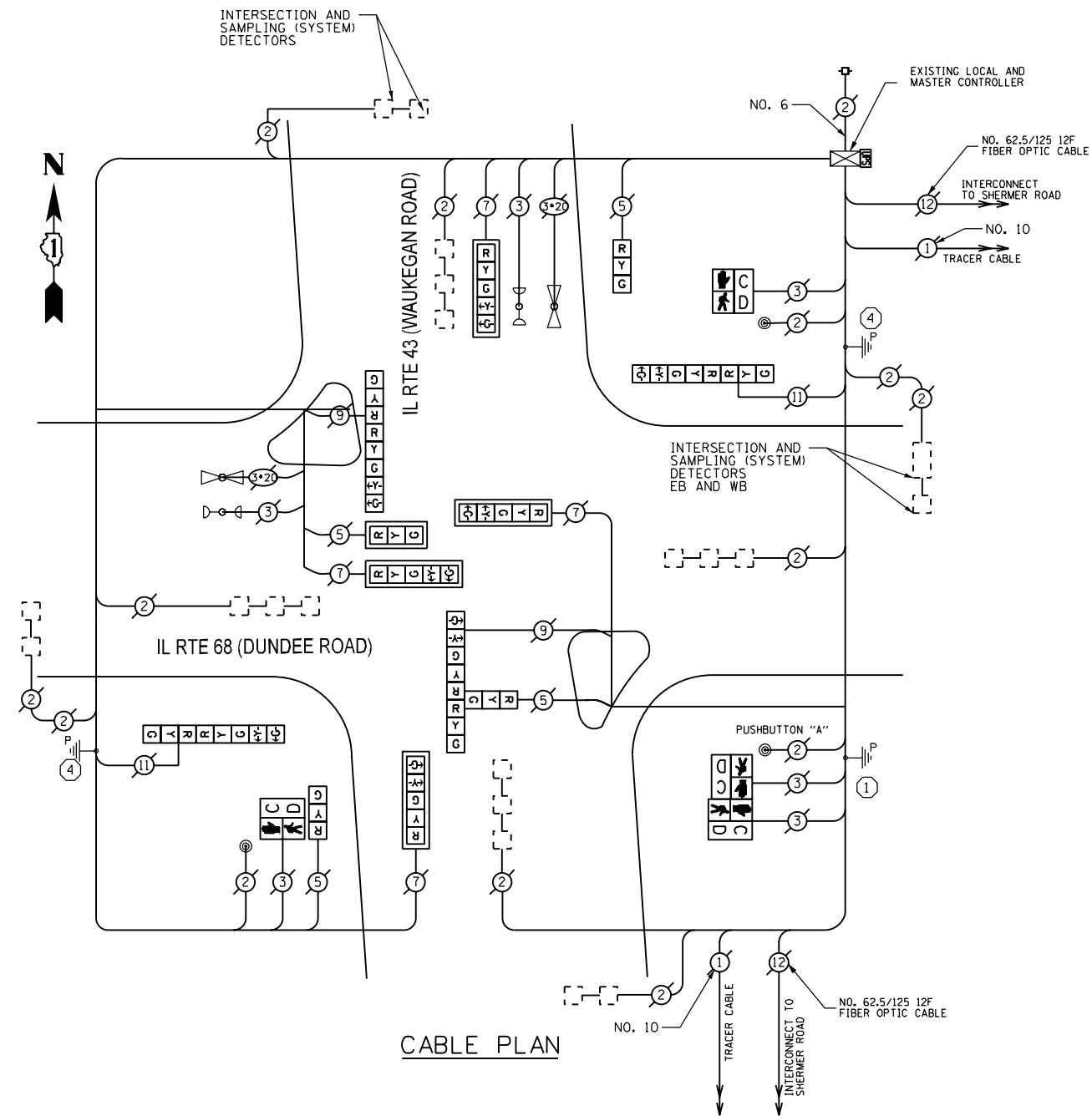
QUANTITY	UNIT	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
3	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 3-FACE, 2-3-SECTION, 1-5-SECTION, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
1	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
5	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
3	EACH	PEDESTRIAN PUSH-BUTTON, NON LATCHING

NOTE:

DUE TO MAST ARM POST ON THE RIGHT SIDE OF THE CONTROLLER CABINET, UPS SHALL BE INSTALLED ON THE LEFT.

PUSHBUTTON "A" SHALL PLACE A CALL TO PHASES 2 & 8

- ① REPLACE 10 FT. PAINTED POST, RE-USE EXISTING TYPE A CONCRETE FOUNDATION
- ④ REPLACE 16 FT. PAINTED POST, RE-USE EXISTING TYPE A CONCRETE FOUNDATION



CABLE PLAN

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

P:\2012\MEI2014_PTB162_18_Schwartz\CADD\W06_North_Cook_LED\Shs\60X15-sht-TS-WaukeganRd-DundeeRd.dgn
 FILE NAME = 4020800
 USER NAME = Millenaria Professional Services

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	INCAND	LED % OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	16		0.50	136.00
(YELLOW)	16		0.25	100.00
(GREEN)	16		0.25	60.00
ARROW	16		0.10	19.20
PED. SIGNAL	4		1.00	100.00
CONTROLLER	1	100	1.00	100.00
ENERGY COSTS TO:				TOTAL = 515.20
VILLAGE OF NORTHBROOK 1225 CEDAR LANE NORTHBROOK, IL 60062				
ENERGY SUPPLY - CONTACT: TERRIBLECK PHONE: (847) 816-5239 COMPANY: COMED				

2600 Warrenville Road, Suite 203, Downers Grove, IL 60515-1761
 630.705.0110 voice, 630.839.2566 fax
 www.mps-il.com
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - JNP	REVISED -
DRAWN - JNP	REVISED -
CHECKED - TVN	REVISED -
DATE - 10/22/2013	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 43 (WAUKEGAN ROAD) AT IL RTE 68 (DUNDEE ROAD)**

SCALE: -N/A SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D-91-020-14	COOK	99	75
CONTRACT NO. 60X15				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				