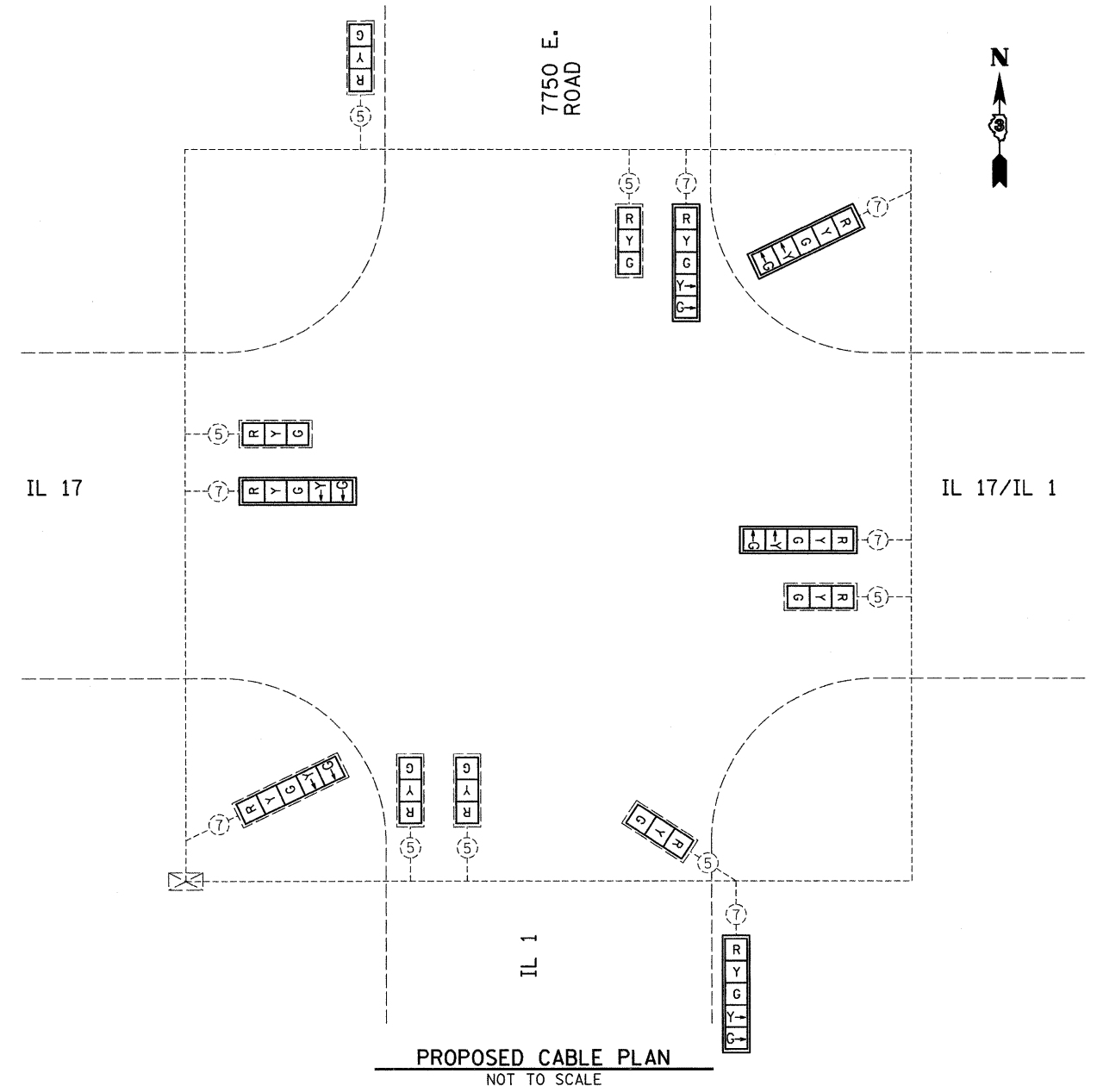


ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 1 & IL 17	RED	13	7	50
	YELLOW	13	12	5
	GREEN	13	9.5	45
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	2	6	5
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

THERE MAY BE ADDITIONAL ELECTRICAL LOADS DUE TO LIGHTING AND EMERGENCY VEHICLE DETECTION EQUIPMENT.
 AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
 STATE OF ILLINOIS

CONSTRUCTION NOTES:

MODIFY EXISTING CONTROLLER CABINET.
 INSTALL UNINTERRUPTABLE POWER SUPPLY.
 RETROFIT THE SEVEN (7) 3-SECTION HEADS WITH LED SIGNAL HEADS.
 RETROFIT ONE (1) 5-SECTION HEAD WITH LED SIGNAL HEAD.
 REMOVE AND REPLACE THE FIVE (5) 4-SECTION HEADS WITH LED 5-SECTION HEADS.
 REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 2 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
 3 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
 THE RED BALLS OF THE NEW MAST ARM MOUNTED 5-SECTION SIGNAL HEADS SHALL BE POSITIONED TO MATCH THE EXISTING LOCATION OR TO PROVIDE 16' MINIMUM VERTICAL CLEARANCE, WHICHEVER IS GREATER.
 BRACKET MOUNTED SIGNAL HEADS SHALL MATCH EXISTING LOCATION.
 HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF 4-SECTION SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.



SCHEDULE OF QUANTITIES (100% STATE / 0% CITY)

STATE	IL 1 & IL 17			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3	
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	5	
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	8	
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	8	
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	8	
Z0033010	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	1	
Z0033012	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	1	

PROPOSED CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNALS LEGEND

	DENOTES NUMBER OF EXISTING CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	SIGNAL SECTION 12"
	LEFT TURN YELLOW
	LEFT TURN GREEN
	RIGHT TURN YELLOW
	RIGHT TURN GREEN
	TRAFFIC SIGNAL BACKPLATE
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = D366B56-SHT-TS-CABLE-STATE-IL1-IL17.DGN

USER NAME = --

DESIGNED - --
DRAWN - ARR/NV

REVISED - ---
REVISED - ---

PLOT SCALE = 1" = 20'
PLOT DATE = 10/11

CHECKED - JKC
DATE - 10/11

REVISED - ---
REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
STATE - IL 1 & IL 17

SCALE: 1" = 20' SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-4	•	17	12
CONTRACT NO. 66B57				
ILLINOIS FED. AID PROJECT				

• IROQUOIS & KANKAKEE