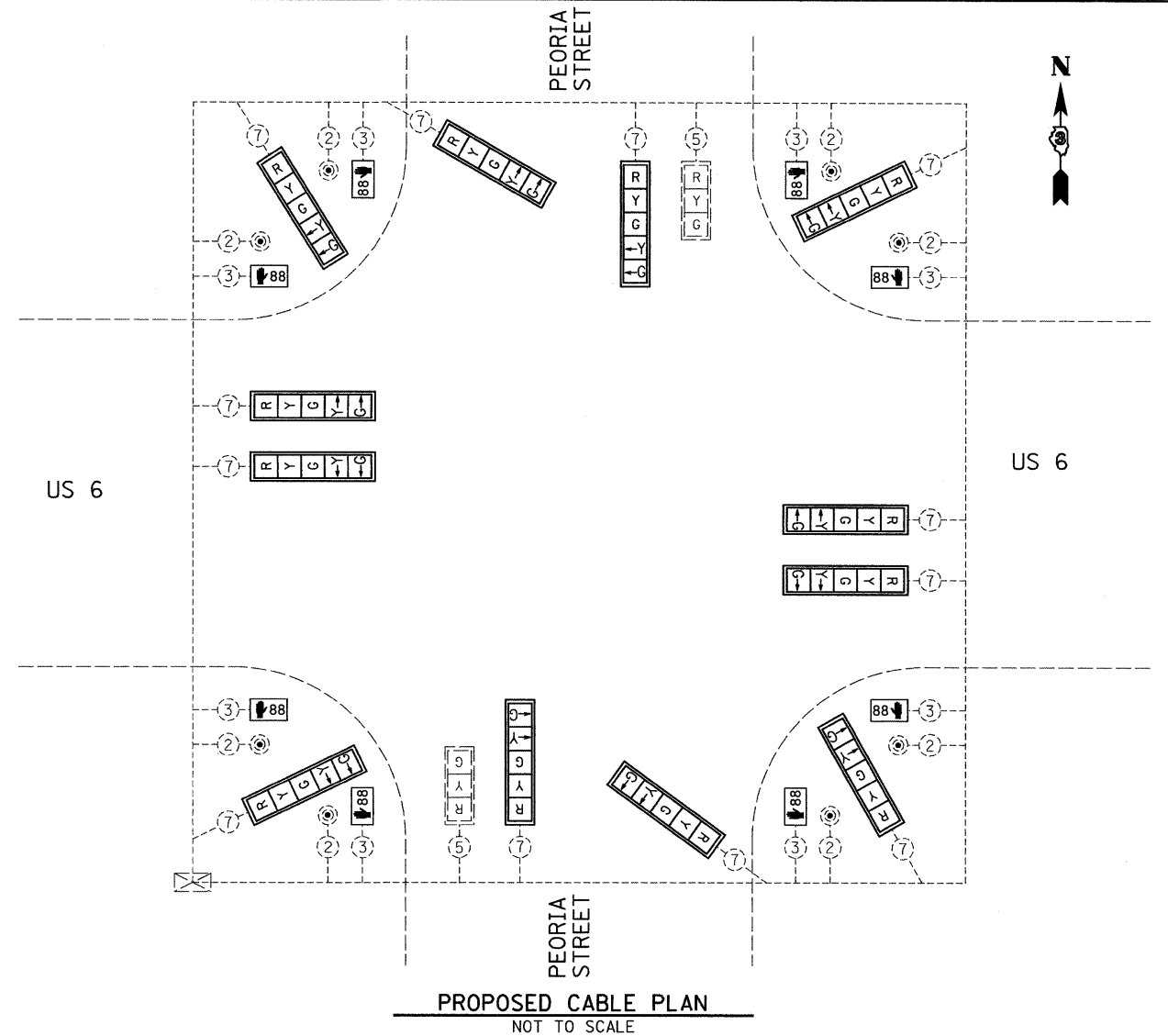


ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 6	RED	8	7	35
	YELLOW	8	12	5
	GREEN	8	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	4	6	5
	GREEN ARROW RT.	4	6	10
	88	4	8	50
PEORIA STREET	RED	6	7	60
	YELLOW	6	12	5
	GREEN	6	9.5	35
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	88	4	8	50
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:
 CITY OF PERU

CONSTRUCTION NOTES:

MODIFY EXISTING CONTROLLER CABINET.
 INSTALL UNINTERRUPTABLE POWER SUPPLY.
 REMOVE AND REPLACE TWELVE (12) 4-SECTION HEADS WITH LED SIGNAL HEADS.
 REMOVE AND REPLACE EIGHT (8) PEDESTRIAN HEADS WITH LED PEDESTRIAN HEADS WITH COUNT DOWN TIMERS.
 REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 6 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
 6 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
 8 EACH - PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET 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.
 THE EXISTING MAST ARM MOUNTED 3-SECTION SIGNAL HEAD FOR NORTHBOUND PEORIA STREET TRAFFIC SHALL BE ADJUSTED VERTICALLY SO THAT IT'S RED BALL WILL LINE UP WITH THE RED BALL OF THE NEW 5-SECTION SIGNAL HEAD. THIS WORK WILL REQUIRE ALTERATION OR REPLACEMENT OF COMPONENTS OF THE MOUNTING SYSTEM TO ALLOW FOR AND TO CLOSE OPENINGS FOR WIRING. THIS WORK WILL BE PAID FOR AS RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT.
 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 (95% STATE / 5% CITY)

PERU	US 6 (FOURTH ST.) & PEORIA ST.		
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	6
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

TRAFFIC SIGNALS LEGEND	
	DENOTES NUMBER OF EXISTING CONDUCTORS
	EXISTING CONTROLLER AND CABINET
	SIGNAL SECTION 12"
	EXISTING LED SIGNAL SECTION 12"
	LEFT TURN YELLOW
	LEFT TURN GREEN
	RIGHT TURN YELLOW
	RIGHT TURN GREEN
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	TRAFFIC SIGNAL BACKPLATE
	EXISTING LED TRAFFIC SIGNAL

FILE NAME = 0366885-SHT-TS-CABLE-PERU-US6-PEORIA.DGN

USER NAME = ---

DESIGNED - ---

REVISED - ---

PLOT SCALE = 1" = 20'

DRAWN - ARR/NV

REVISED - ---

PLOT DATE = 10/11

CHECKED - JKC

REVISED - ---

DATE - 10/11

REVISED - ---

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
 PERU - US 6 (FOURTH ST.) & PEORIA STREET

SCALE: 1" = 20'

SHEET NO. ___ OF ___ SHEETS

STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	D-3 LED RETROFIT 2012-2	*	14	13
CONTRACT NO. 66B55			ILLINOIS FED. AID PROJECT	

* BUREAU & LASALLE