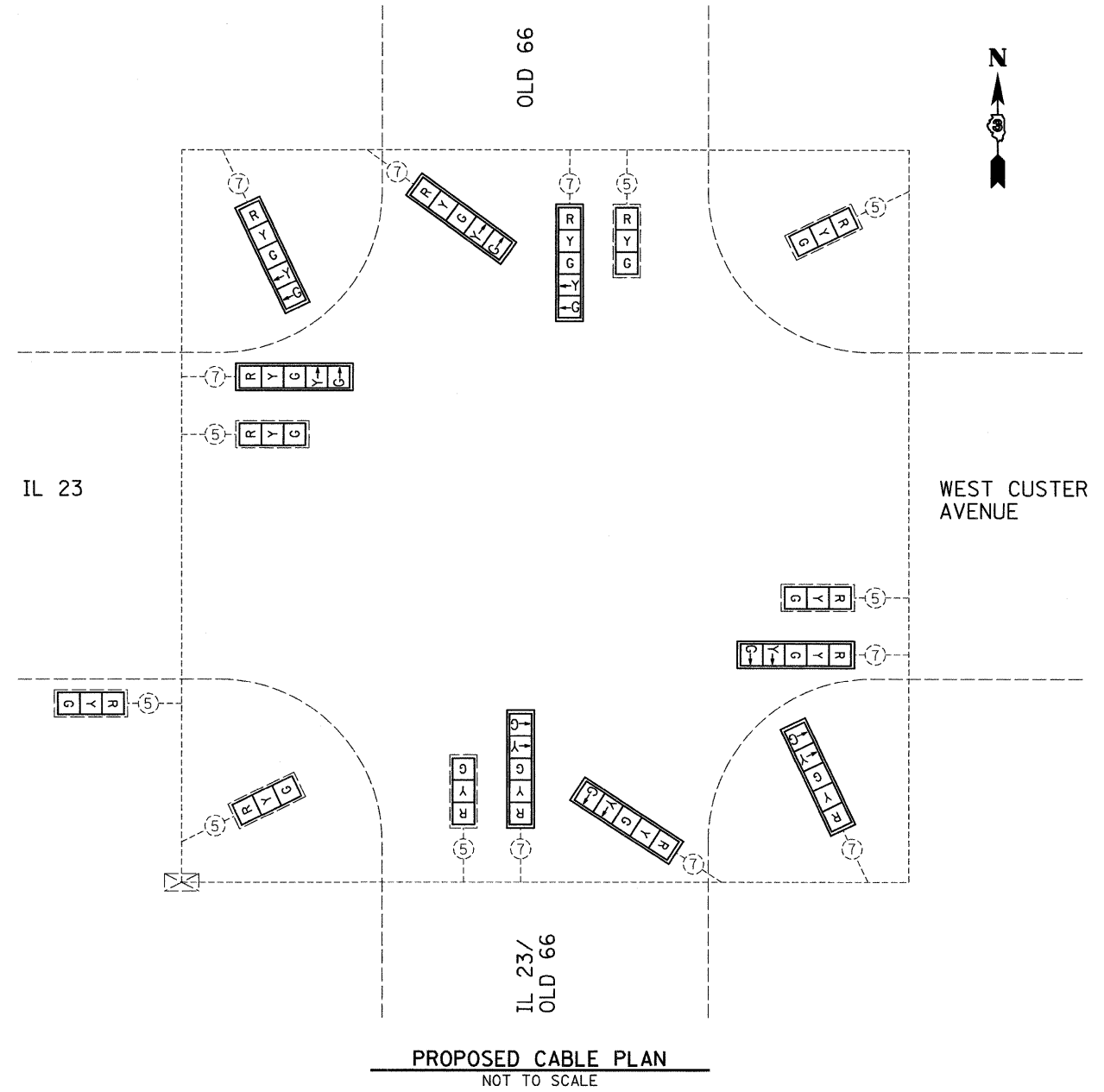


ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23 / OLD 66	RED	12	7	35
	YELLOW	12	12	5
	GREEN	12	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	YELLOW ARROW RT.	2	6	5
WEST CUSTER AVENUE	RED	3	7	60
	YELLOW	3	12	5
	GREEN	3	9.5	35
	YELLOW ARROW RT.	2	6	5
	GREEN ARROW RT.	2	6	10
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 PONTIAC

CONSTRUCTION NOTES:

MODIFY EXISTING CONTROLLER CABINET.
 INSTALL UNINTERRUPTABLE POWER SUPPLY.
 REMOVE AND REPLACE EIGHT (8) 4-SECTION HEADS WITH LED 5-SECTION HEADS.
 RETROFIT THE SEVEN (7) 3-SECTION HEAD WITH LED SIGNAL HEAD.
 REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 4 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
 4 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.
 THE EXISTING MAST ARM MOUNTED 3-SECTION SIGNAL HEADS FOR NORTHBOUND OLD 66 AND WESTBOUND IL 23 TRAFFIC SHALL BE ADJUSTED VERTICALLY SO THAT THEIR RED BALLS 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 AND MAST ARM POLES RESULTING FROM REMOVAL OF 4-SECTION SIGNAL HEADS SHALL BE COVERED WITH STAINLESS STEEL PLATES AND MOUNTING HARDWARE. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.



SCHEDULE OF QUANTITIES (97.5% STATE / 2.5% CITY)

PONTIAC IL 23 & OLD 66		UNIT	TOTAL QUANTITY
ITEM NO.	DESCRIPTION		
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	7
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	7
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	7

(5)	DENOTES NUMBER OF EXISTING CONDUCTORS
[Cabinet]	EXISTING CONTROLLER AND CABINET
[12" Box]	SIGNAL SECTION 12"
[Y]	LEFT TURN YELLOW
[G]	LEFT TURN GREEN
[Y]	RIGHT TURN YELLOW
[G]	RIGHT TURN GREEN
[Backplate]	TRAFFIC SIGNAL BACKPLATE
[Retrofit]	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0366896-SHT-TS-CABLE-PONTIAC-IL23-OLD66.DGN

USER NAME = --

DESIGNED - --

REVISED - ---

PLOT SCALE = 1" = 20'

CHECKED - JKC

REVISED - ---

PLOT DATE = 10/11

DATE - 10/11

REVISED - ---

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
 PONTIAC - IL 23 & OLD 66

F.A.R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
 -- D-3 LED RETROFIT 2012-3 * 29 27

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

CONTRACT NO. 66B56

* FORD, GRUNDY, KENDALL & LIVINGSTON

ILLINOIS FED. AID PROJECT