

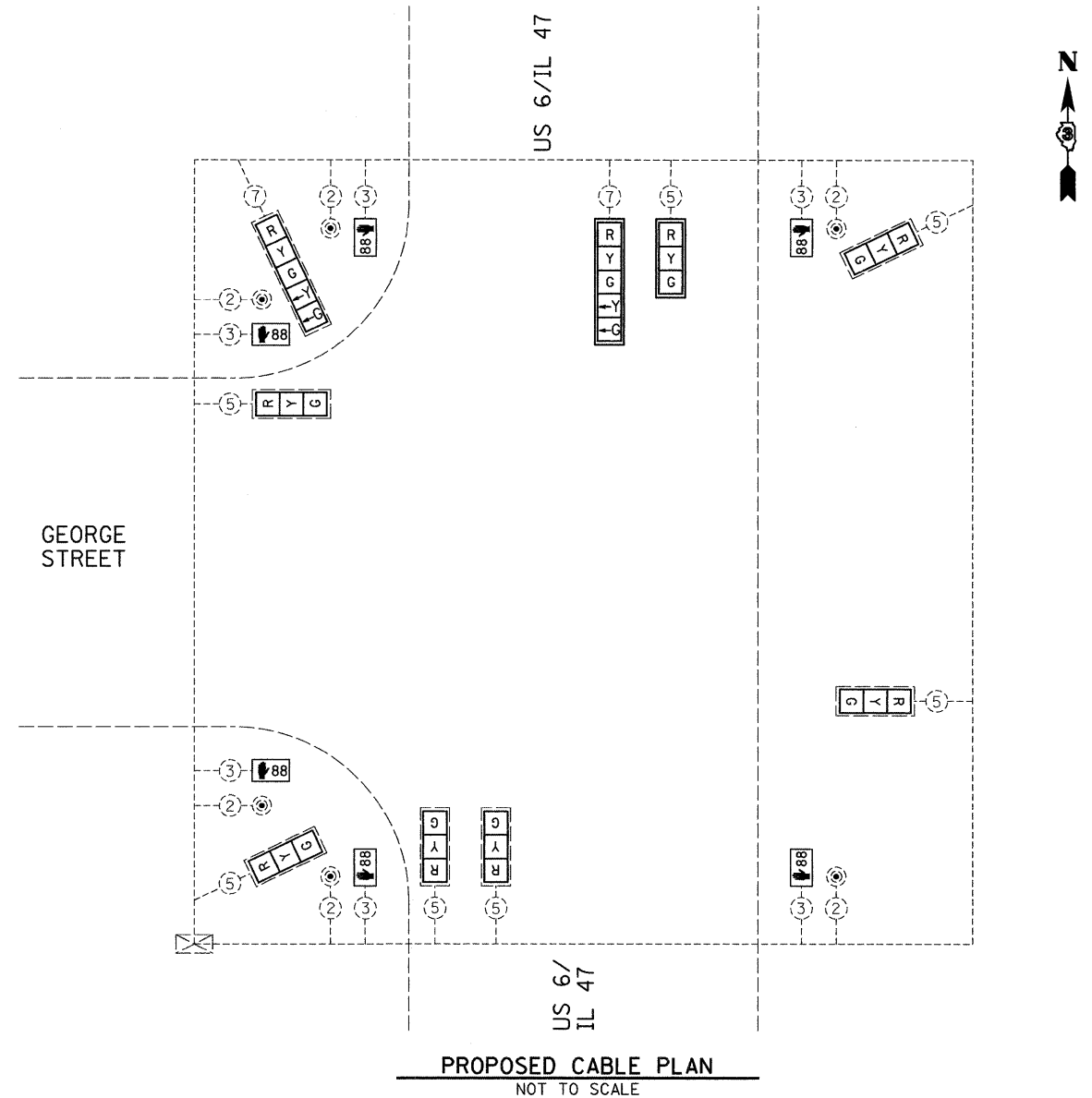
ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 6 / IL 47	RED	5	7	35
	YELLOW	5	12	5
	GREEN	5	9.5	60
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
		4	11/10	50/50
GEORGE STREET	RED	4	7	60
	YELLOW	4	12	5
	GREEN	4	9.5	35
		2	11/10	50/50
		2	8	50
TRAFFIC SIGNAL 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 MORRIS

CONSTRUCTION NOTES:

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE SIX (6) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- RETROFIT THE ONE (1) 5-SECTION HEADS WITH LED SIGNAL HEADS.
- REMOVE THE 5-SECTION AND THE 3-SECTION OPTICALLY PROGRAMMED SIGNAL HEADS FROM THE NORTHBOUND MAST ARM AND REPLACE WITH AN LED 5-SECTION HEAD AND AN LED 3-SECTION HEAD.
- REMOVE AND REPLACE SIX (6) 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:
 - 1 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
 - 1 EACH - SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
 - 6 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.



SCHEDULE OF QUANTITIES (96.7% STATE / 3.3% CITY)

MORRIS IL 47 (DIVISION ST.) & GEORGE ST.

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	6
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
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
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
O.P.	OPTICALLY PROGRAMMED SIGNAL
	EXISTING PEDESTRIAN PUSH BUTTON
	PROPOSED WALK/DON'T WALK WITH COUNT DOWN TIMER
	TRAFFIC SIGNAL BACKPLATE
	RETROFIT EXISTING TRAFFIC SIGNAL WITH LED HEADS

FILE NAME = 0368856-SHT-TS-CABLE-MORRIS-US6-IL47-GEORGE.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
MORRIS - US 6 /IL 47 & GEORGE STREET

* FORD, GRUNDY, KENDALL & LIVINGSTON

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-3	*	29	17

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

CONTRACT NO. 66B56
ILLINOIS FED. AID PROJECT