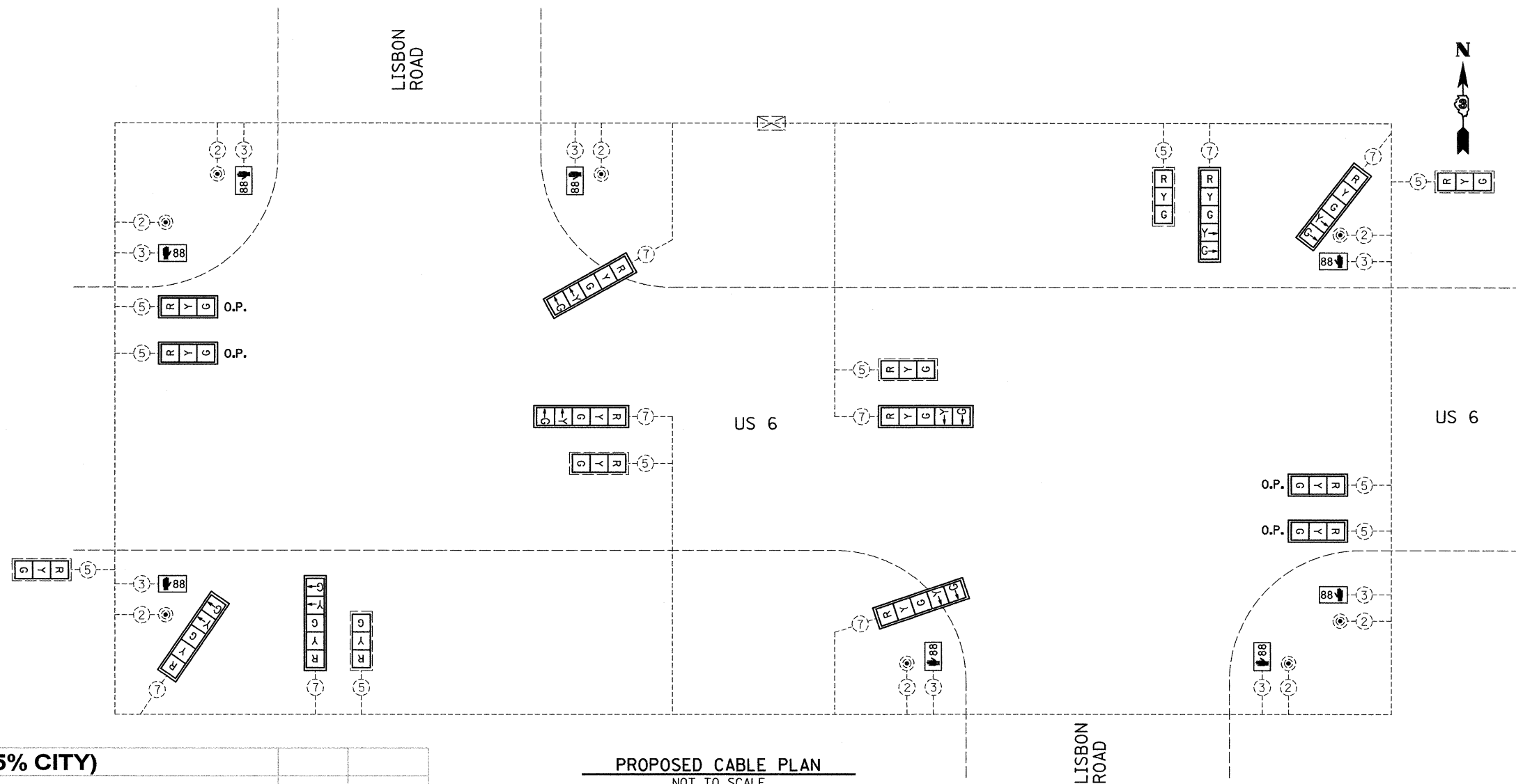


ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US 6	RED	12	7	35
	YELLOW	12	12	5
	GREEN	12	9.5	60
	YELLOW ARROW LT.	4	6	5
	GREEN ARROW LT.	4	6	10
	88	4	11/10	50/50
LISBON ROAD	RED	6	7	60
	YELLOW	6	12	5
	GREEN	6	9.5	35
	YELLOW ARROW RT.	4	6	5
	GREEN ARROW RT.	4	6	10
	88	4	11/10	50/50
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



SCHEDULE OF QUANTITIES (95% STATE / 5% CITY)

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
MORRIS US 6 & LISBON RD.			
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
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
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
X8808120	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	6
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	6
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	6

CONSTRUCTION NOTES:

- MODIFY EXISTING CONTROLLER CABINET.
- INSTALL UNINTERRUPTABLE POWER SUPPLY.
- RETROFIT THE SIX (6) 3-SECTION HEADS WITH LED SIGNAL HEADS.
- REMOVE AND REPLACE FOUR (4) 3-SECTION OPTICALLY PROGRAMMED HEADS WITH LED 3-SECTION OPTICALLY PROGRAMMED HEADS.
- REMOVE AND REPLACE EIGHT (8) 4-SECTION HEADS WITH LED 5-SECTION 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:
 - 4 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, OPTICALLY PROGRAMMED, MAST ARM MOUNTED
 - 4 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
 - 4 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET 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.
- 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.

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
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 = 0366856-SHT-TS-CABLE-MORRIS-US6-LISBON.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 & LISBON ROAD

F.A.R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-3	*	29	18

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

CONTRACT NO. 66B56 ILLINOIS FED. AID PROJECT

* FORD, GRUNDY, KENDALL & LIVINGSTON