

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 116 / OLD 66	RED	12	7	35
	YELLOW	12	12	5
	GREEN	12	9.5	60
	YELLOW ARROW LT.	6	6	5
	GREEN ARROW LT.	6	6	10
	YELLOW ARROW RT.	3	6	5
	GREEN ARROW RT.	3	6	10
REYNOLDS STREET	RED	4	7	60
	YELLOW	4	12	5
	GREEN	4	9.5	35
	YELLOW ARROW LT.	2	6	5
	GREEN ARROW LT.	2	6	10
	YELLOW ARROW RT.	1	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:
 CITY OF PONTIAC

CONSTRUCTION NOTES:

MODIFY EXISTING CONTROLLER CABINET.
 INSTALL UNINTERRUPTABLE POWER SUPPLY.
 REMOVE AND REPLACE TWELVE (12) 4-SECTION HEADS WITH LED 5-SECTION HEADS.
 RETROFIT THE FOUR (4) 3-SECTION HEADS WITH LED SIGNAL HEADS.

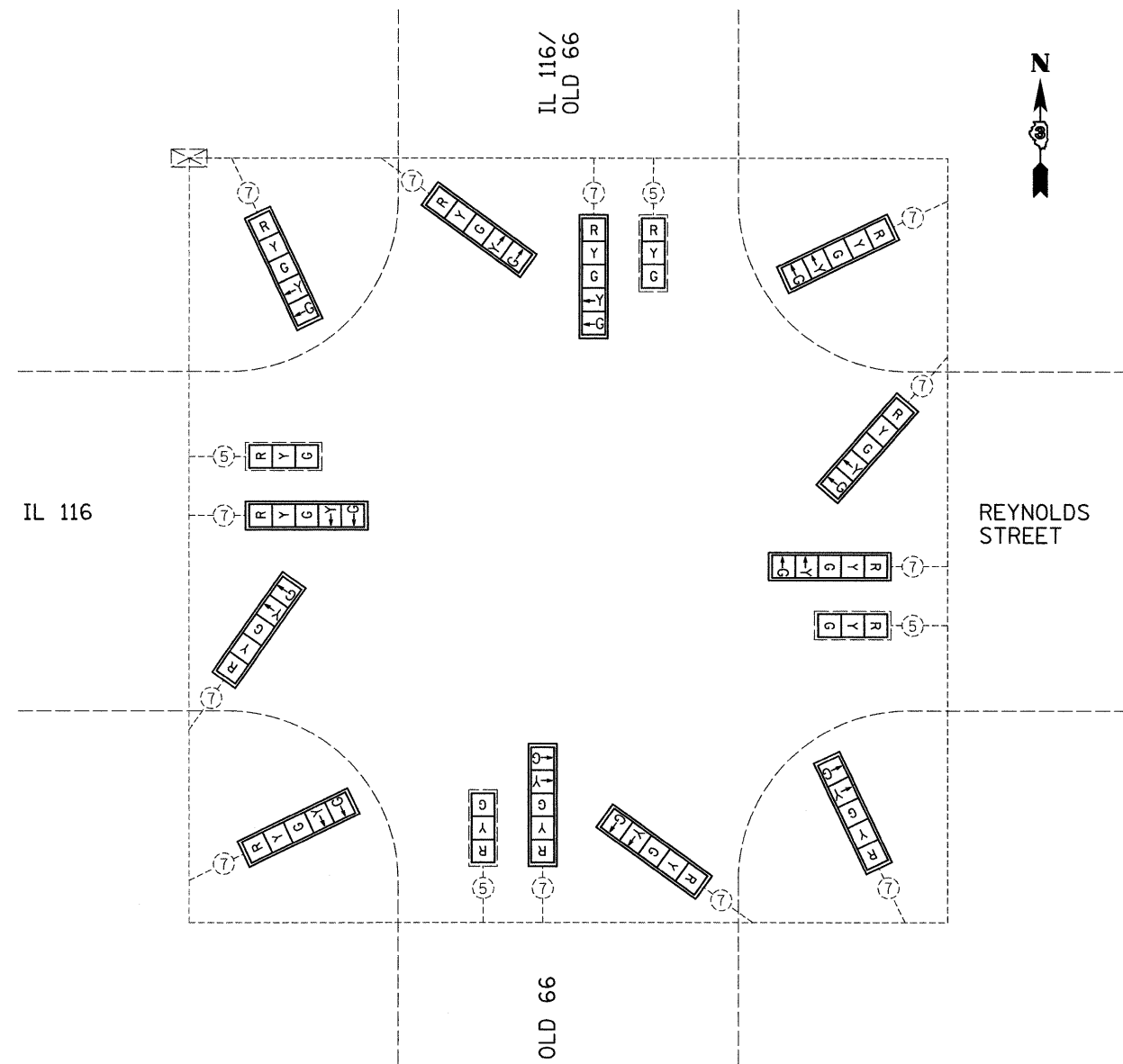
REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 8 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
 4 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED

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 HEAD FOR WESTBOUND IL 116 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 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.



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

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

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
PONTIAC IL 116 & OLD 66			
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
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
Z0033002	LED SIGNAL FACE RETROFIT, RED BALL	EACH	4
Z0033004	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	4
Z0033008	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	4

FILE NAME = 0366856-SHT-TS-CABLE-PONTIAC-IL116-OLD66.DGN

USER NAME = --
 PLOT SCALE = 1" = 20'
 PLOT DATE = 10/11

DESIGNED - --
 DRAWN - ARR/NV
 CHECKED - JKC
 DATE - 10/11

REVISED - ---
 REVISED - ---
 REVISED - ---
 REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
PONTIAC - IL 116 & OLD 66

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	D-3 LED RETROFIT 2012-3	*	29	28

CONTRACT NO. 66B56

* FORD, GRUNDY, KENDALL & LIVINGSTON

ILLINOIS FED. AID PROJECT