

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
IL 23/ FIRST AVENUE	RED	5	11	50
	YELLOW	5	22	25
	GREEN	5	15	25
	YELLOW ARROW LT.	2	10	10
	GREEN ARROW LT.	2	11	10
SOUTH TOWNE MALL	RED	3	11	50
	YELLOW	3	22	25
	GREEN	3	15	25
	YELLOW ARROW LT.	2	10	10
	GREEN ARROW LT.	2	11	10
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	UPS	1	50	100

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:  
CITY OF OTTAWA

THERE MAY BE ADDITIONAL ENERGY CHARGES DUE TO  
LIGHTING OR EMERGENCY VEHICLE DETECTION EQUIPMENT.

**CONSTRUCTION NOTES:**

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

- 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
- 1 EACH - SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
- 1 EACH - SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED

HOLES IN TRAFFIC SIGNAL POSTS OR MAST ARM POLES RESULTING FROM REMOVAL OF 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.

REMOVE AND REPLACE TWO (2) 4-SECTION HEADS WITH LED 5-SECTION HEADS.

REMOVE AND REPLACE 4-SECTION HEAD AT TRAFFIC SIGNAL POST IN NORTHWEST QUADRANT WITH LED 3-SECTION HEAD.

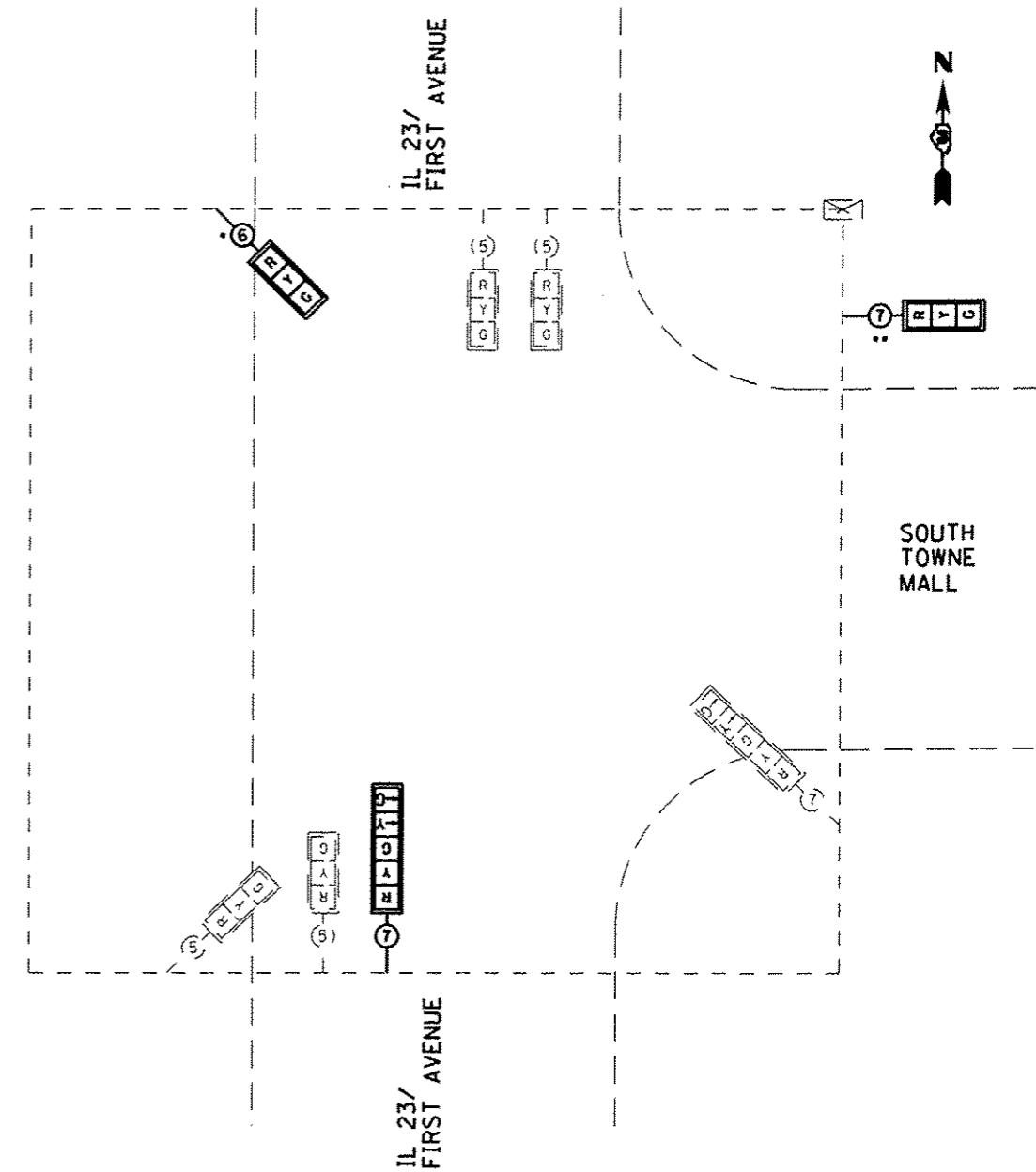
REMOVE AND REPLACE 5-SECTION HEAD AT TRAFFIC SIGNAL POST IN NORTHEAST QUADRANT WITH LED 3-SECTION HEAD.

**TRAFFIC SIGNALS LEGEND**

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

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

OTTAWA IL 23 (FIRST AVE) & SOUTH TOWNE MALL			
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	3
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



**PROPOSED CABLE PLAN**

NOT TO SCALE

- REUSE CABLE FROM EXISTING 4-SECTION SIGNAL HEAD FOR NEW 3-SECTION SIGNAL HEAD
- REUSE CABLE FROM EXISTING 5-SECTION SIGNAL HEAD FOR NEW 3-SECTION SIGNAL HEAD