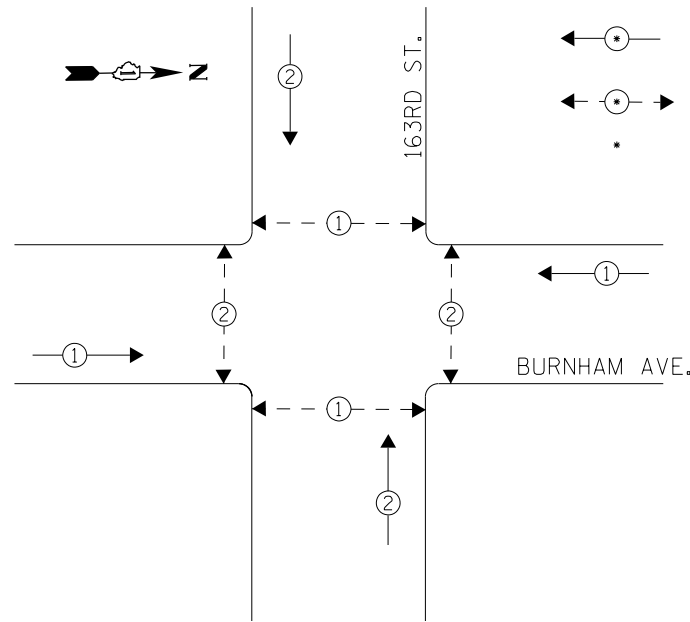


**CONTROLLER SEQUENCE**



**LEGEND**

- ← ⊙ → DUAL ENTRY PHASE
- ← ⊙ → PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

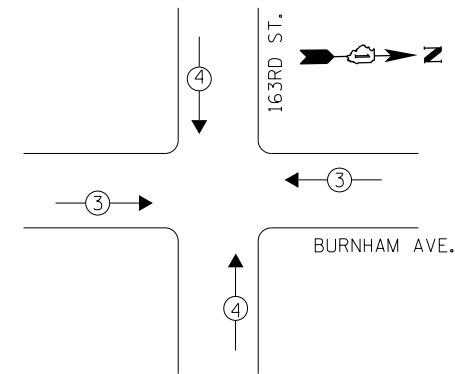
**CONSTRUCTION NOTES**

- ① THE CONTRACTOR SHALL REPLACE THE EXISTING TRAFFIC SIGNAL POST WITH THE PROPOSED TRAFFIC SIGNAL POST, 14 FT. AND ATTACH THE PROPOSED POST TO THE EXISTING FOUNDATION.

**NOTES**

- 1) ALL COSTS RELATED TO ATTACHING THE POSTS TO THE EXISTING FOUNDATION SHALL BE INCLUDED IN THE UNIT COST OF TRAFFIC SIGNAL POST OF THE SIZE SPECIFIED
- 2) PRIOR TO REMOVING ANY TRAFFIC SIGNAL POST SPECIFIED TO BE REPLACED IN THE SAME LOCATION THE CONTRACTOR SHALL VERIFY THAT THE PATTERN, SPACING, AND CONDITION OF THE EXISTING BOLTS ARE SUITABLE FOR RE-USE WITH A NEW POST. IF THE BOLTS ARE NOT USABLE, REPLACE AS DIRECTED BY THE ENGINEER.
- 3) THE CONTRACTOR SHALL RELOCATE EXISTING SIGN PANELS FROM POSTS THAT ARE INDICATED FOR REPLACEMENT TO THE NEW POSTS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL, RELOCATION AND ANY NEW MOUNTING HARDWARE NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE UNIT COST OF TRAFFIC SIGNAL POST OF THE SIZE SPECIFIED.

**PHASE DESIGNATION DIAGRAM**



**REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH TRAFFIC SIGNAL POST
- 8 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 8 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 8 EACH PEDESTRIAN PUSH-BUTTON

UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

**SCHEDULE OF QUANTITIES**

Items	Unit	Quantity
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	8
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE INCAND. LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	8	17	0.50	68.0
(YELLOW)	8	25	0.25	50.0
(GREEN)	8	15	0.25	30.0
PED. SIGNAL	8	25	1.00	200.0
CONTROLLER	1	100	1.00	100.0
BATTERY BACKUP	1	25	1.00	25.0
<b>TOTAL =</b>				<b>473.0</b>

**ENERGY COSTS-** BILLED TO: IDOT DISTRICT 1  
201 WEST CENTER COURT  
SCHAUMBURG, IL 60196-1096

**ENERGY SUPPLY-** CONTACT BRAD SHINABARGAR  
PHONE 708-325-2692  
COMMONWEALTH EDISON

FILE NAME = D:\160X64-sht-TS4420.dgn	USER NAME = SE3	DESIGNED -	REVISED -
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	PLOT DATE = 2/3/2014	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BURNHAM AVENUE /163RD STREET CABLE PLAN  
SCHEDULE OF QUANTITIES, PHASE DESIG. DIAGRAM & EVP SEQUENCE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2013-075TS	COOK	78	35
CONTRACT NO. 60X64				
ILLINOIS FED. AID PROJECT				

TS 4420  
CALUMET PARK CITY

