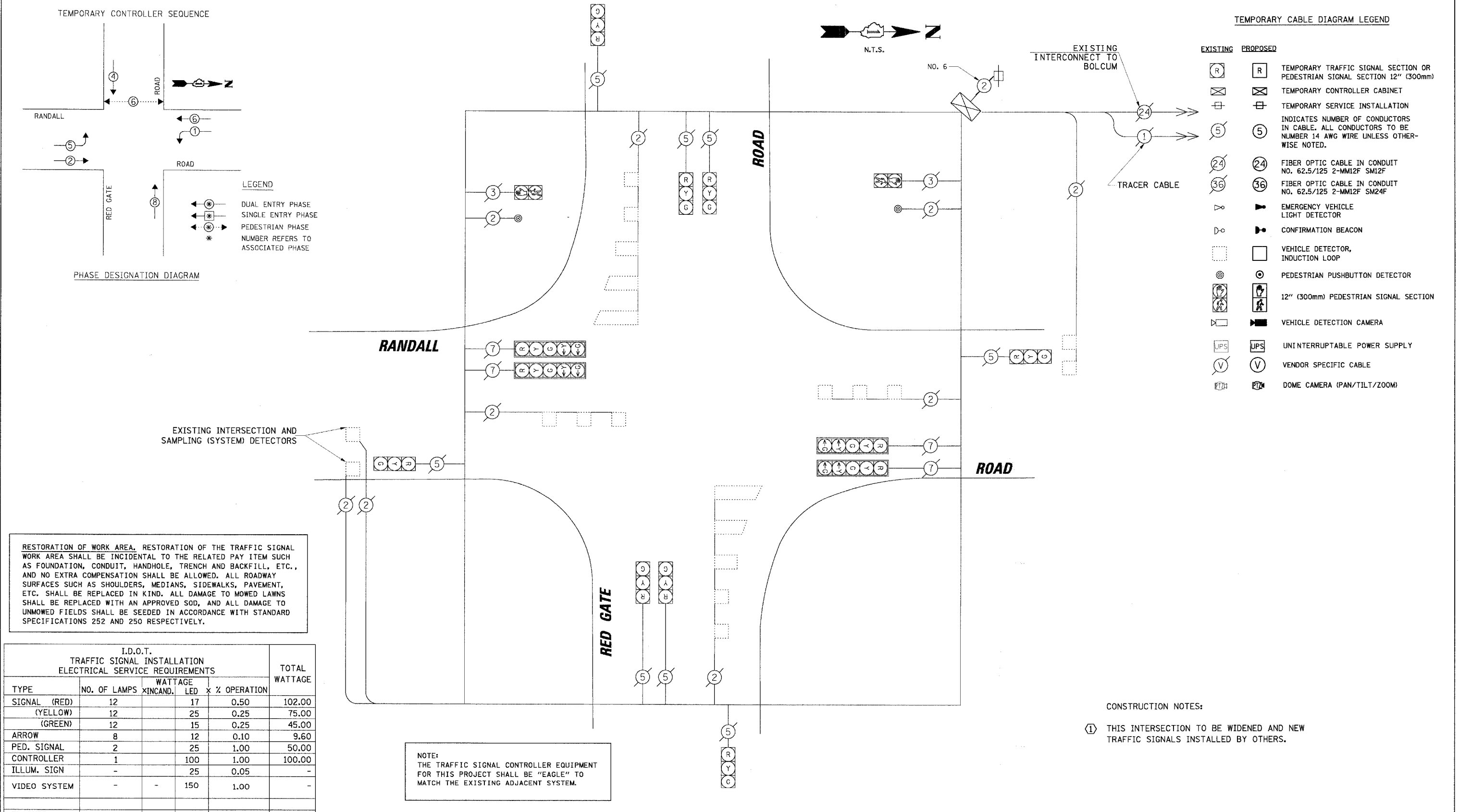


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CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE: _____ BY: _____
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TEMPORARY CABLE DIAGRAM LEGEND

- | | | | | | |
|--|----------|--|----------|--|--|
| | EXISTING | | PROPOSED | | TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm) |
| | EXISTING | | PROPOSED | | TEMPORARY CONTROLLER CABINET |
| | EXISTING | | PROPOSED | | TEMPORARY SERVICE INSTALLATION |
| | EXISTING | | PROPOSED | | INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED. |
| | EXISTING | | PROPOSED | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F |
| | EXISTING | | PROPOSED | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM24F |
| | EXISTING | | PROPOSED | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | EXISTING | | PROPOSED | | CONFIRMATION BEACON |
| | EXISTING | | PROPOSED | | VEHICLE DETECTOR, INDUCTION LOOP |
| | EXISTING | | PROPOSED | | PEDESTRIAN PUSHBUTTON DETECTOR |
| | EXISTING | | PROPOSED | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | EXISTING | | PROPOSED | | VEHICLE DETECTION CAMERA |
| | EXISTING | | PROPOSED | | UNINTERRUPTIBLE POWER SUPPLY |
| | EXISTING | | PROPOSED | | VENDOR SPECIFIC CABLE |
| | EXISTING | | PROPOSED | | DOME CAMERA (PAN/TILT/ZOOM) |

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

CONSTRUCTION NOTES:
 ① THIS INTERSECTION TO BE WIDENED AND NEW TRAFFIC SIGNALS INSTALLED BY OTHERS.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE	INCAND.	LED	
SIGNAL (RED)	12	17	0.50		102.00
(YELLOW)	12	25	0.25		75.00
(GREEN)	12	15	0.25		45.00
ARROW	8	12	0.10		9.60
PED. SIGNAL	2	25	1.00		50.00
CONTROLLER	1	100	1.00		100.00
ILLUM. SIGN	-	25	0.05		-
VIDEO SYSTEM	-	150	1.00		-
FLASHER	-		0.50		-

ENERGY COSTS TO: TOTAL = 381.60
 KANE COUNTY DIVISION OF TRANSPORTATION
 41W011 BURLINGTON ROAD
 ST. CHARLES, IL 60175
 ENERGY SUPPLY CONTACT: MIKE WIDHALM
 PHONE: (847) 608-2376
 COMPANY: COMED

FOUNDATION (DEPTH)	FT.	(m)	CABLE SLACK	FT.	(m)	VERTICAL	FT.	(m)
TYPE A - POST	4	(1.2)	HANDHOLE	6.5	(2.0)	ALL FOUNDATIONS	3.5	(1.0)
D - CONTROLLER	4	(1.2)	DOUBLE HANDHOLE	13	(4.0)	MAST ARM (L) POLE	20'+L-2=	
E - M. ARM POLE			SIGNAL POST	2	(1.0)	(6m+L-0.6m)=		
24" (600mm)	10	(3.0)	CONTROLLER CAB.	1	(0.5)	BRACKET MOUNTED	13	(4.0)
30" (750mm)	15	(4.6)	FIBER OPTIC	13	(4.0)	PED. PUSHBUTTON	4	(1.2)
36" (900mm)	15	(4.6)	ELECTRIC SERVICE	1	(0.5)	ELECTRIC SERVICE	13.5	(4.1)
			GROUND CABLE	1	(0.5)	SERVICE TO GROUND	13.5	(4.1)
						POST MOUNTED	6	(1.8)

FOR INFORMATION ONLY