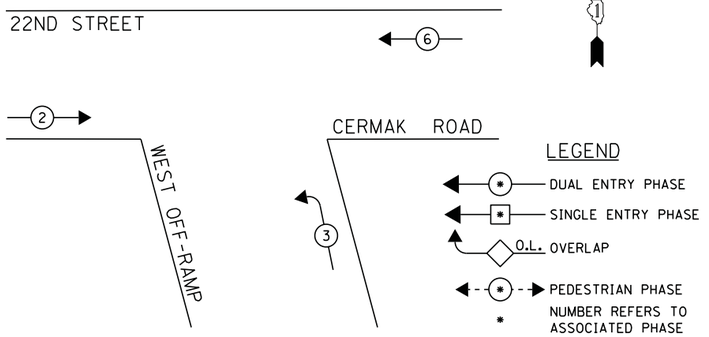
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

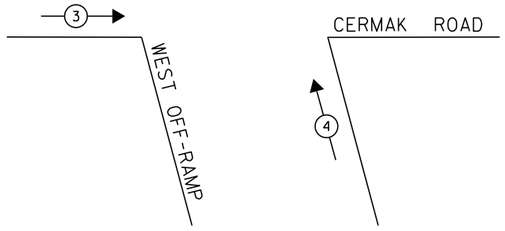
CONTROLLER SEQUENCE

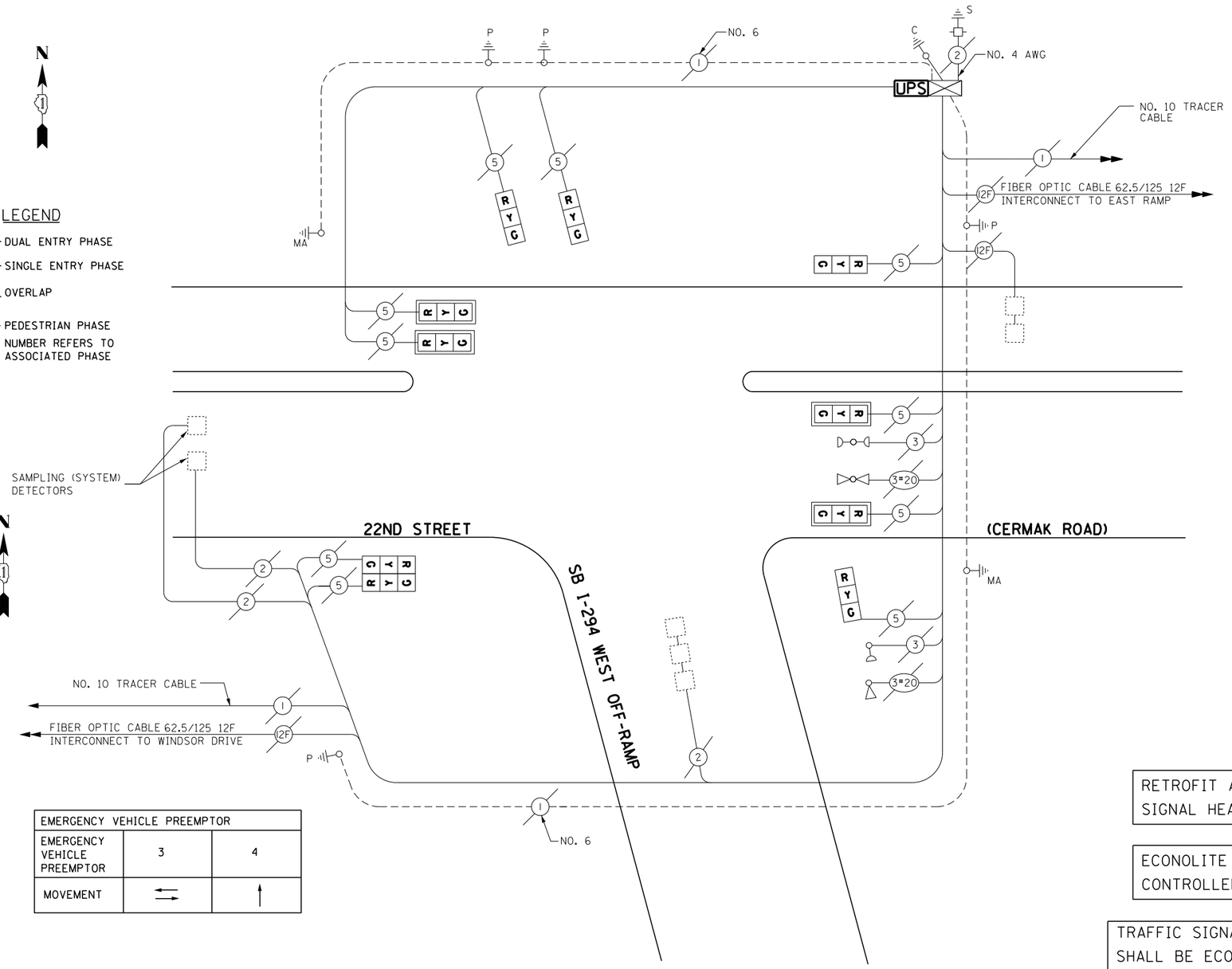


PHASE DESIGNATION DIAGRAM

DUAL ENTRY-ALL LEGS

EMERGENCY VEHICLE PREEMPTION SEQUENCE





EMERGENCY VEHICLE PREEMPTOR		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	⇄	↑

CABLE PLAN

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

ECONOLITE ASC/2S-1000 CONTROLLER ON-SITE

TRAFFIC SIGNAL EQUIPMENT SHALL BE ECONOLITE TO MATCH THE ADJACENT EXISTING SYSTEM

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10		17	0.5	85
(YELLOW)	10		25	0.25	62.5
(GREEN)	10		15	0.25	37.5
ARROW	-		12	0.16	-
PED. SIGNAL	-		25	-	-
CONTROLLER	1		100	1	100
ILLUM. SIGN			25	-	-
VIDEO SYSTEM			-	-	-
FLASHER				-	
ENERGY COSTS TO:				TOTAL =	285.0

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT

TS# 135
WESTCHESTER

FILE NAME = J:\13155\Work Order 2\DGN\CADD Sheets\D60Y18-sht-ts-16.135.dgn	USER NAME = _USER_	DESIGNED - M.A./V.O.	REVISED -
		DRAWN - Y.J./E.C.	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - I.Y.	REVISED -
	PLOT DATE = 5/14/2014	DATE - 5/16/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
22ND STREET (CERMAK ROAD) AT WEST OFF-RAMP FROM SOUTHBOUND I-294

SCALE: NTS | SHEET NO. 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2014-032TS	COOK	68	32
		CONTRACT NO. 60Y18		
	ILLINOIS FED. AID PROJECT			