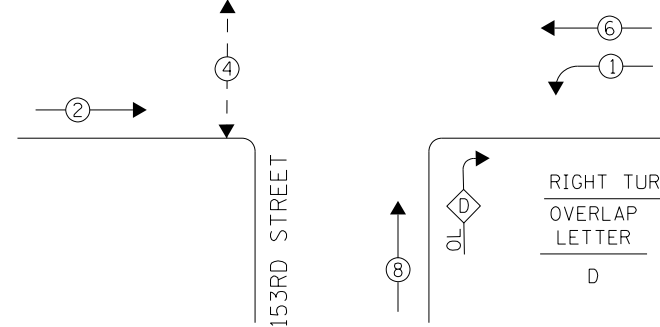


EXISTING CONTROLLER SEQUENCE

LEGEND

- DUAL ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

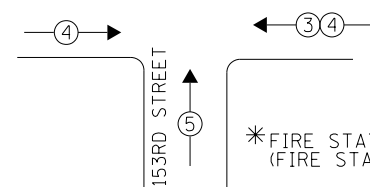
IL ROUTE 7 (WOLF ROAD)



PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION		
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

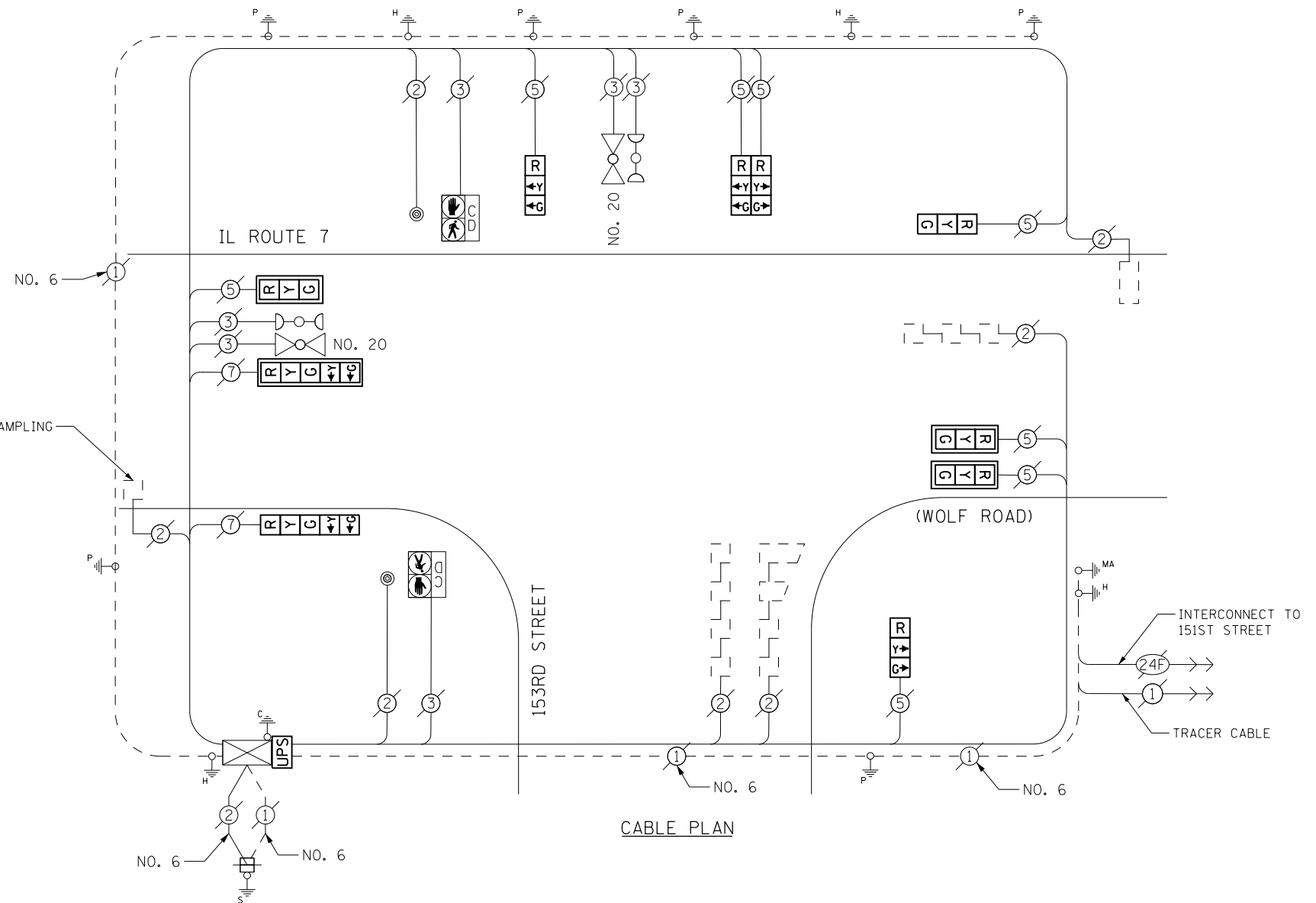
IL ROUTE 7 (WOLF ROAD)



* FIRE STATION PUSHBUTTON PHASE (FIRE STATION NEAR 151ST ST)

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3*	4	5
MOVEMENT			



CABLE PLAN

SCHEDULE OF QUANTITIES

Items	Unit	Quantity
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	1
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1

ACCESS TO INSIDE OF CONTROLLER CABINET BY DESIGNER WAS NOT POSSIBLE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE CONTROLLER AND CABINET TYPE WITH ENGINEER PRIOR TO ORDERING UPS MATERIALS AND EQUIPMENT. CONTRACTOR SHALL INSTALL UPS IF APPROVED BY THE ENGINEER.

CONTRACTOR SHALL REPLACE BROKEN MOUNTING BRACKETS AT ALL RETROFIT SIGNAL HEADS OR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CORRESPONDING SIGNAL HEAD, LED, RETROFIT PAY ITEM OF THE TYPE AND NUMBER OF SIGNAL HEADS, FACES, AND SECTIONS AS SPECIFIED IN THE PLANS.

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

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

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	-	17	0.50	85.0
(YELLOW)	10	-	25	0.25	62.5
(GREEN)	10	-	15	0.25	37.5
ARROW	4	-	12	0.10	4.8
PED. SIGNAL	2	-	25	1.00	50.0
CONTROLLER	1	100	-	1.00	100.0
ILLUM. SIGN	-	-	25	0.50	-
VIDEO SYSTEM	-	150	-	1.00	-
BATTERY BACKUP	1	25	-	1.00	25.0
LUMINAIRE	-	250	-	0.50	-
FLASHER	-	-	25	0.50	-
TOTAL =					364.8

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:\60X65-shr-TS159.dgn	USER NAME = SE3	DESIGNED - PHL	REVISED -
		DRAWN - PHL	REVISED -
	PLOT SCALE = 48.0000' / in.	CHECKED - BKS	REVISED -
Default	PLOT DATE = 2/4/2014	DATE - \$SUBDATE	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

IL ROUTE 7(WOLF ROAD)/153RD 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.
	2013-076TS	COOK	65	45
CONTRACT NO. 60X65				
ILLINOIS FED. AID PROJECT				

TS 159 ORLAND PARK