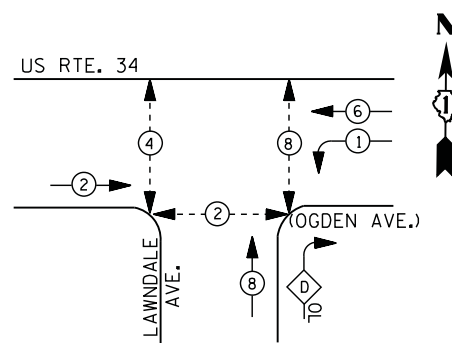


**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	ITEM
22	SO YD	PROTECTIVE COAT
122	SO FT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
51	SO FT	DETECTABLE WARNINGS
122	SO FT	SIDEWALK REMOVAL
18	SO FT	SIGN PANEL - TYPE 1
12.5	SO FT	SIGN PANEL - TYPE 2
357	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6"
77	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
333	SO FT	PAVEMENT MARKING REMOVAL
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRANSCEIVER - FIBER OPTIC
162	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
169	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
6	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
6	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
6	EACH	INDUCTIVE LOOP DETECTOR
* 2	EACH	LIGHT DETECTOR
* 1	EACH	LIGHT DETECTOR AMPLIFIER
6	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
24	FOOT	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT

\* 100% VILLAGE OF LYONS COST

**CONTROLLER SEQUENCE**



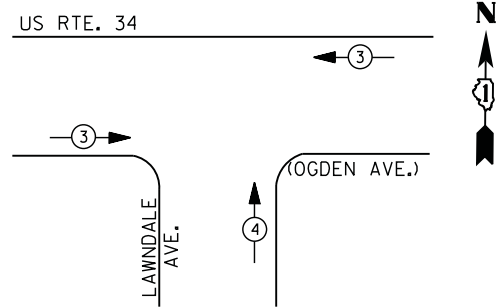
**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

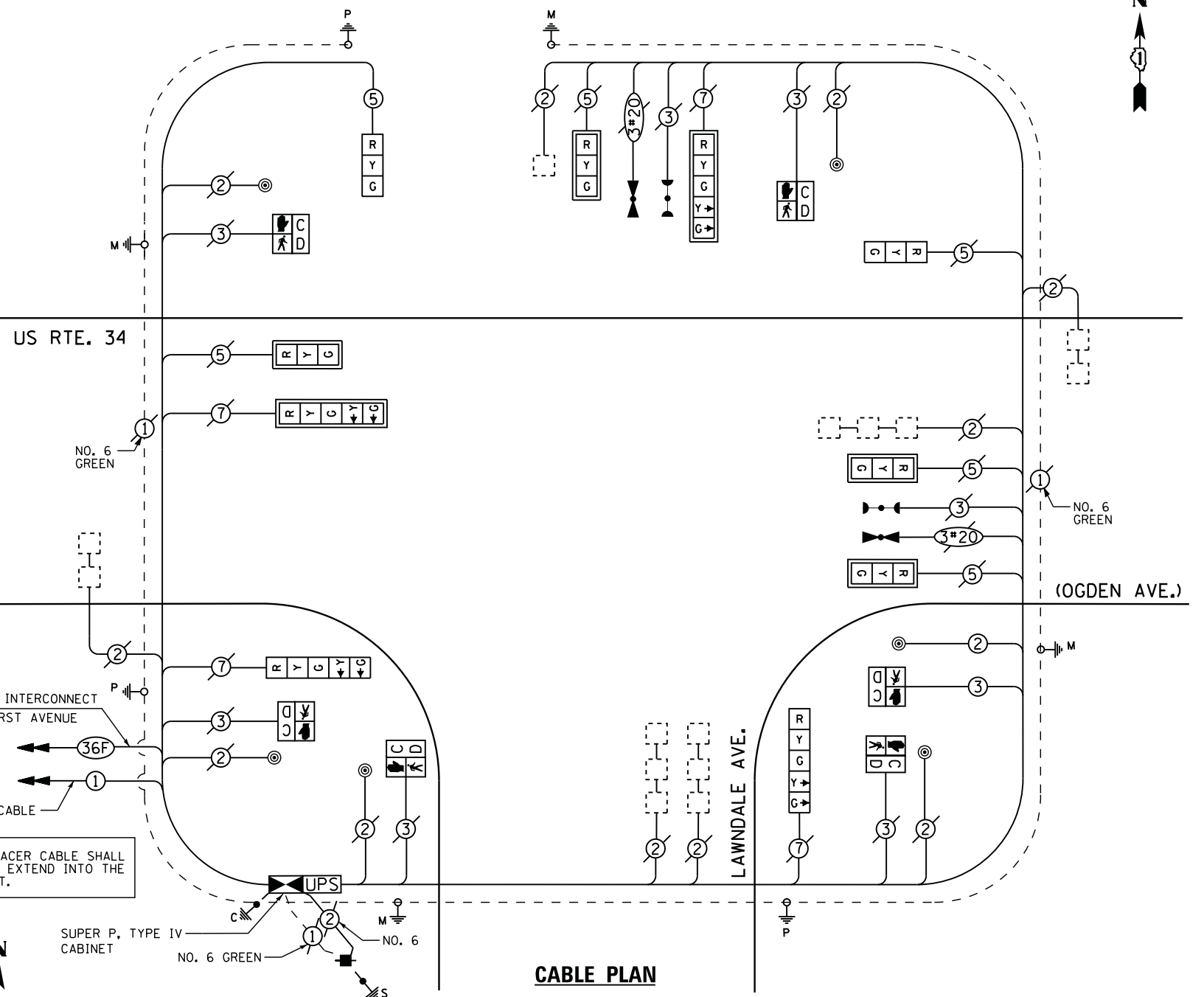
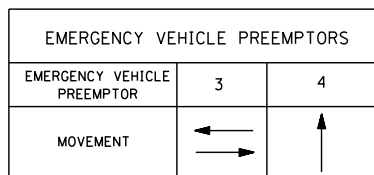
**LEGEND**

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

**PHASE DESIGNATION DIAGRAM**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**

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

**RESTORATION OF WORK AREA.** RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN 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, MEDIAN, 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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	10	135	17	0.50	85
(YELLOW)	10	135	25	0.25	63
(GREEN)	10	135	15	0.25	38
ARROW	8	135	12	0.10	10
PED. SIGNAL	6	90	25	1.00	150
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		100	90	1.00	
TOTAL =					446

ENERGY COSTS- BILLED TO: IDOT - DISTRICT 1  
201 W. CENTER CT.  
SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT JOE STACHO  
 PHONE 630-424-5704  
COMED

FILE NAME =	USER NAME = *USER*	DESIGNED - DW	REVISED -
N:\Projects\312055\Design\CAD\Sheet Files\60V34rws34cabLAWDALE.dgn		DRAWN - LV	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - KM	REVISED -
	PLOT DATE = 10/11/2013	DATE - 9/25/2012	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, SCHEDULE OF QUANTITIES,  
 PHASE DESIGNATION DIAGRAM & EVP SEQUENCE  
 US ROUTE 34 (OGDEN AVENUE) AT LAWDALE AVENUE**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	2012-047I	COOK	63	43
CONTRACT NO. 60V34				
ILLINOIS FED. AID PROJECT				