

**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	ITEM
90	SO FT	SIGN PANEL - TYPE 1
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
2013	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
284	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
66	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.
1410	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
12	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
5	EACH	DOUBLE HANDHOLE
3572	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
6448	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
5774	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
3797	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
8696	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
41	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
2425	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 48 FT. AND 22 FT.
24	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
60	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
16	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
8	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
24	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
22	EACH	INDUCTIVE LOOP DETECTOR
333	FOOT	DETECTOR LOOP, TYPE I
837	FOOT	PREFORMED DETECTOR LOOP
* 5	EACH	LIGHT DETECTOR
* 1	EACH	LIGHT DETECTOR AMPLIFIER
* 12	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
20	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	CLOSED CIRCUIT TELEVISION DOME CAMERA
* 2971	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	CLOSED CIRCUIT TELEVISION VIDEO CODEC
1	EACH	CLOSED CIRCUIT TELEVISION EQUIPMENT, FIBER OPTIC DISTRIBUTION
1	L SUM	MODIFICATION OF EXISTING VIDEO DISTRIBUTION SYSTEM
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
1	EACH	FULL-ACTUATED CONTROLLER AND SUPER P CABINET, TYPE IV, SPECIAL
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 48 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 50 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 26 FT. AND 50 FT.
* 4	EACH	ILLUMINATED STREET NAME SIGN

\* 100% COST TO THE CITY OF NAPERVILLE

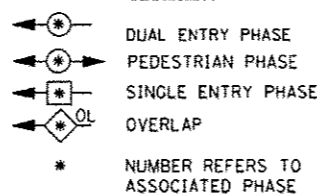
**I. D. O. T.  
TRAFFIC SIGNAL INSTALLATION  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	28	135	17	0.50	238
(YELLOW)	28	135	25	0.25	175
(GREEN)	28	135	15	0.25	105
ARROW	24	135	12	0.10	29
PED. SIGNAL	16	90	25	1.00	400
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4	--	90	0.50	180
VIDEO SYSTEM	1	150	--	1.00	150
TOTAL =					1377

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

ENERGY SUPPLY - CONTACT BRIAN CHAMBERLAIN  
PHONE NAPERVILLE ELECTRIC DEPT.  
630-420-6653

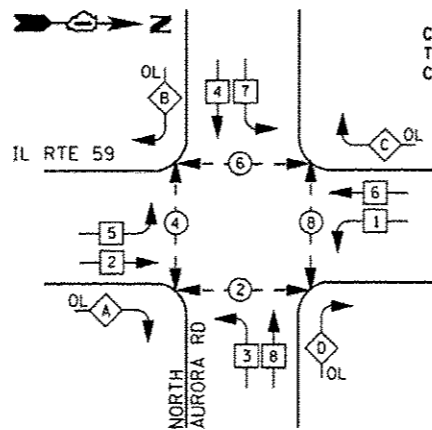
**LEGEND**



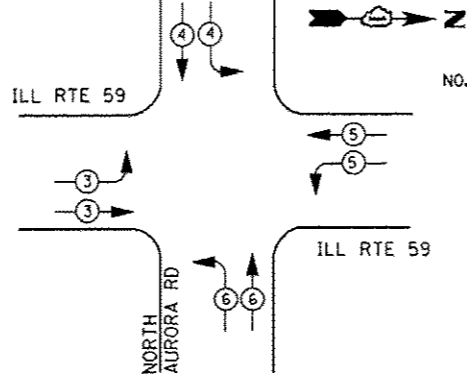
**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A =	2	3
B =	4	5
C =	6	7
D =	8	1

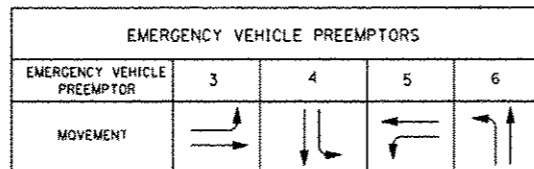
**CONTROLLER SEQUENCE**



**PHASE DESIGNATION DIAGRAM**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



FOR COMBINATION POLE LIGHTING AND WIRING SEE ROADWAY LIGHTING PLANS SHEET 6 OF 15, TS-94 AND TS-96

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

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

ALL LOOPS WITHIN LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PERFORMED TYPE

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 SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 59 AND NORTH AURORA ROAD - CABLE PLAN,  
SCHEDULE OF QUANTITIES, PHASE DESIGN. DIAGRAM & EVP SEQUENCE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
538	(112 & 113) WRS-7	DUPAGE	1156	653
TS-61			CONTRACT NO. 60R30	
ILLINOIS FED. AID PROJECT				

FILE NAME	USER NAME	DESIGNED	REVISED
K:\Projects\B92059\Design\Sheet Files\679\va99cab\tdgn	*USER*	DW	Addendum A 02/20/2013
		DRAWN	JDM
		CHECKED	KMM
		DATE	

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.