

SCHEDULE OF QUANTITIES

SIGN PANEL - TYPE 1	SQ. FT	15.0
SIGN PANEL - TYPE 2	SQ. FT	21.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	441.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	28.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	47.0
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	508.0
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	707.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,197.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	614.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,100.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,802.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8.0
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42.0
DRILL EXISTING HANDHOLE	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE 1	FOOT	1,049.0
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6,940.5
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1,624.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	336.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1,247.0

*NOTE:
100% OF THE COST SHALL BE PAID FOR
BY THE VILLAGE OF HOFFMAN ESTATES.

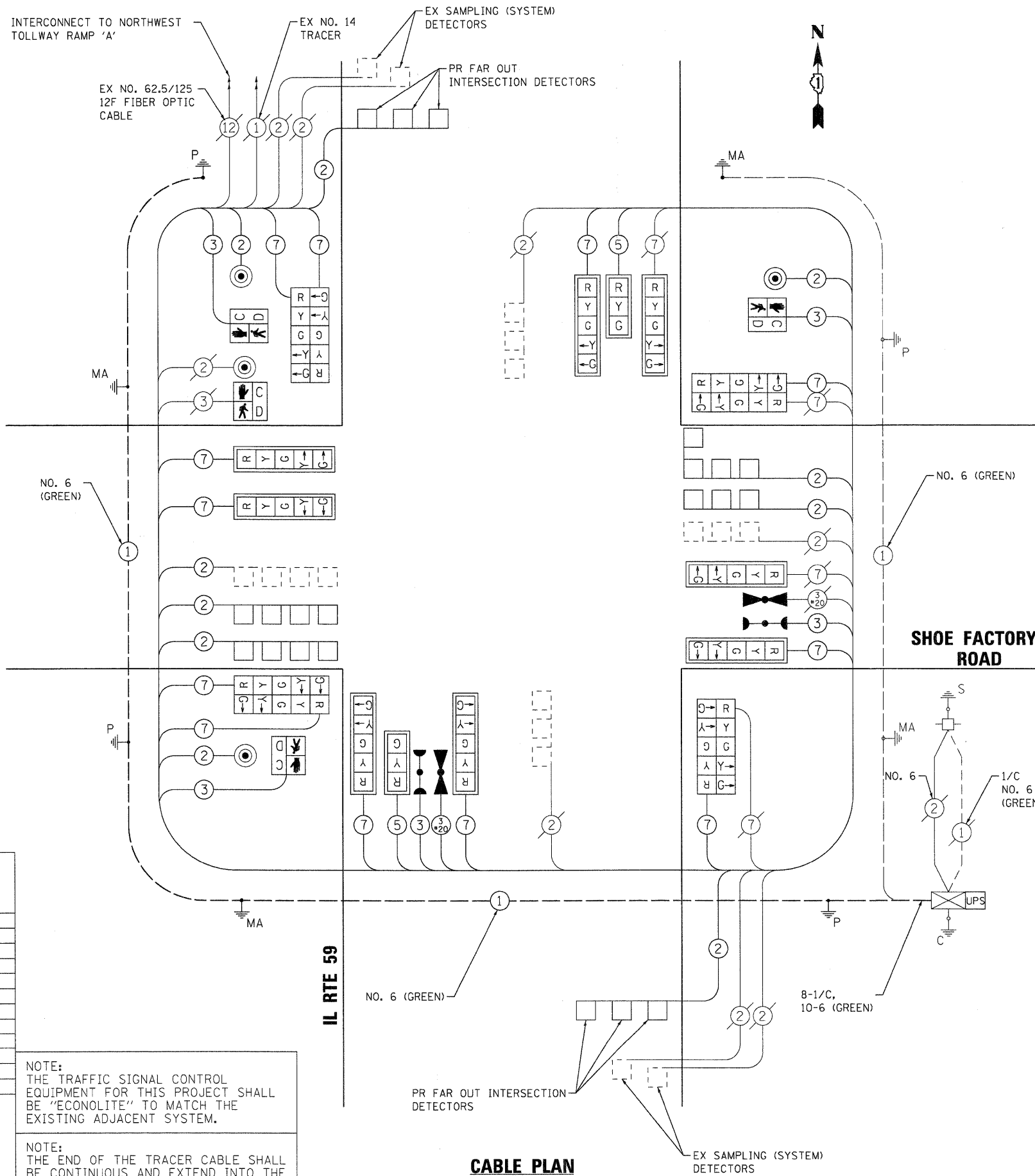
I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	18	17		0.50	153.00
(YELLOW)	18		25	0.25	112.50
(GREEN)	18	15		0.25	67.50
ARROW (YELLOW)	16		12	0.10	19.20
ARROW (GREEN)	16		12	0.10	19.20
PEDESTRIAN SIGNAL	4		25	1.00	100.00
CONTROLLER	1		100	1.00	100.00
UPS	1		25	1.00	25.00
TOTAL =					596.40

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY CONTACT: KATHY NYSTROM
PHONE: (847) 608-2331
COMPANY: COMMONWEALTH EDISON

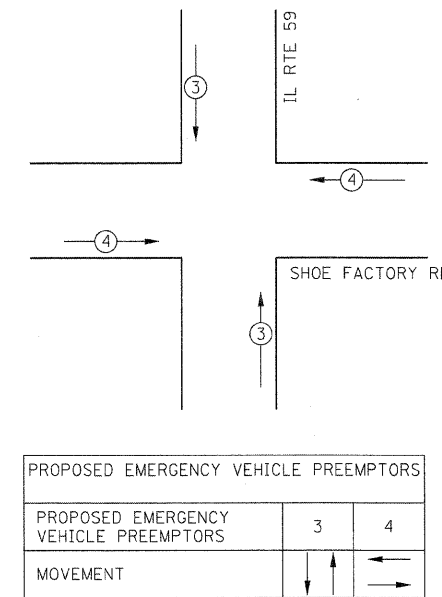
NOTE:
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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

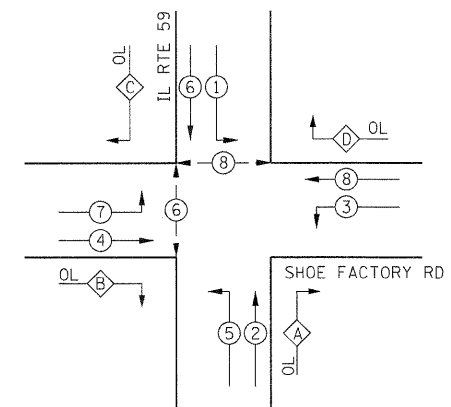


CABLE PLAN

EMERGENCY VEHICLE PREEMPTION SEQUENCE

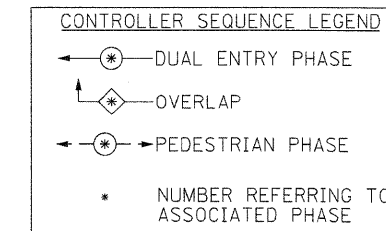


CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

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



4/5/2012 5:53:17 PM
D:\177-316001.dgn
PLOT: 177-316001.dgn
PLOT SCALE: N.T.S.PLOT DATE: 4/5/2012



USER NAME: j_mehui
DESIGNED: JJS
DRAWN: -
CHECKED: DJ
DATE: 4/5/12

REVISED: -
REVISED: -
REVISED: -
REVISED: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
IL ROUTE 59 AT SHOE FACTORY ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	10-00084-00-CH	COOK	63	30
CONTRACT NO. 63711				