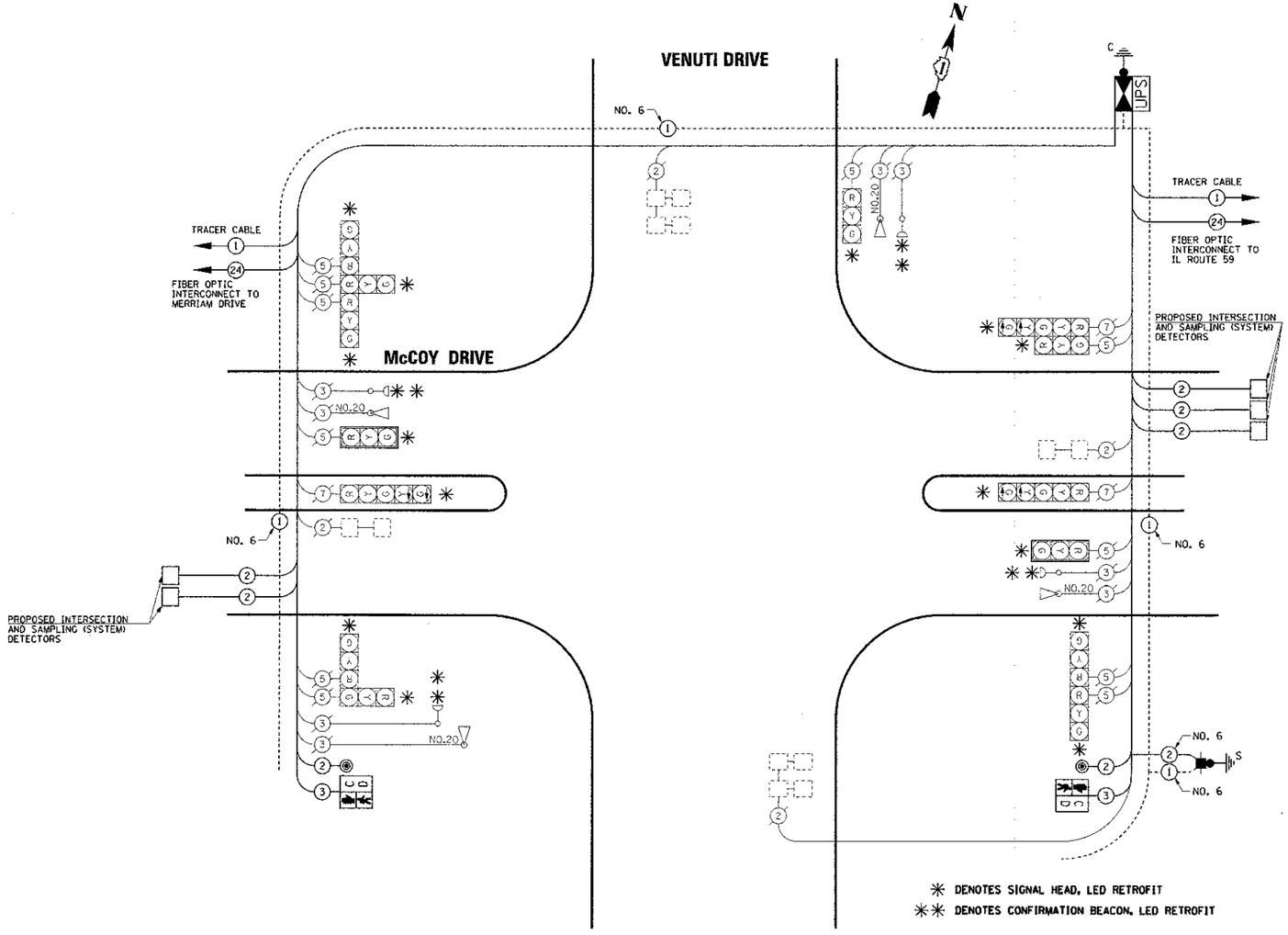
PLAN: SURVEYED, PLOTTED, ADDRESS CHECKED, NOTE BOOK, BAR. NOTED, NO. ____, R/T OF WAY CHECKED, CADD FILE NAME — BY — DATE

PROFILE: SURVEYED, PLOTTED, CROSS SECTIONS CHECKED, NOTE BOOK, STRUCTURE NOTATIONS CHKD, NO. ____ — BY — DATE



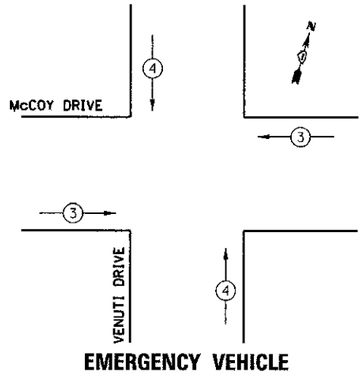
SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	VENUTI DRIVE
ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	0.3
MOBILIZATION	L SUM	0.1
TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	0.1
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.1
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	0.1
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	486
HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	6
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	484
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	498
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1929
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	174
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	552
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	9
DETECTOR LOOP, TYPE I	FOOT	183
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER FOUNDATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	174
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ETHERNET SWITCH	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3
EVP CONFIRMATION BEACON, LED RETROFIT	EACH	4

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
		INCAND.	LED		
SIGNAL (RED)	14		17	0.50	119
(YELLOW)	14		25	0.25	87.5
(GREEN)	14		15	0.25	52.5
ARROW	6		12	0.10	7.2
PED. SIGNAL	2		25	1.00	50
CONTROLLER	1		100	1.00	100
				TOTAL =	416.2

ENERGY COSTS TO: CITY OF AURORA
44 E. DOWNER PLACE
AURORA, ILLINOIS 60507-2067

ENERGY SUPPLY CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON



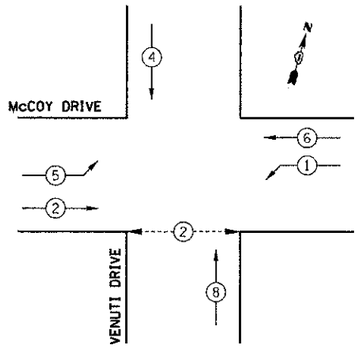
EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
PROPOSED EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	→ ↑

CONTROLLER SEQUENCE LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- ✳ — NUMBER REFERRING TO ASSOCIATED PHASE
- PEDESTRIAN PHASE

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

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

THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE OPTICOM AS REQUIRED BY THE CITY OF AURORA. LIGHT DETECTOR AMPLIFIERS SHALL BE OPTICOM MODEL 764 MULTIMODE PHASE SELECTORS.

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

HRGreen.com
Illinois Professional Design Firm # 184-001322
HRGreen

USER NAME = MFeller	DESIGNED - MJF	REVISED -	
PLOT SCALE =	CHECKED - APS	REVISED -	
PLOT DATE = 2/22/2013	DATE - 02/21/2013	REVISED -	
FILE NAME = 690_13_sig08c_venuti.dgn		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESIGNATION DIAGRAM McCOY DRIVE AT VENUTI DRIVE

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1631/ 2532	11-00297-00-TL	DUPAGE	38	25
		CONTRACT NO. 63816		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		