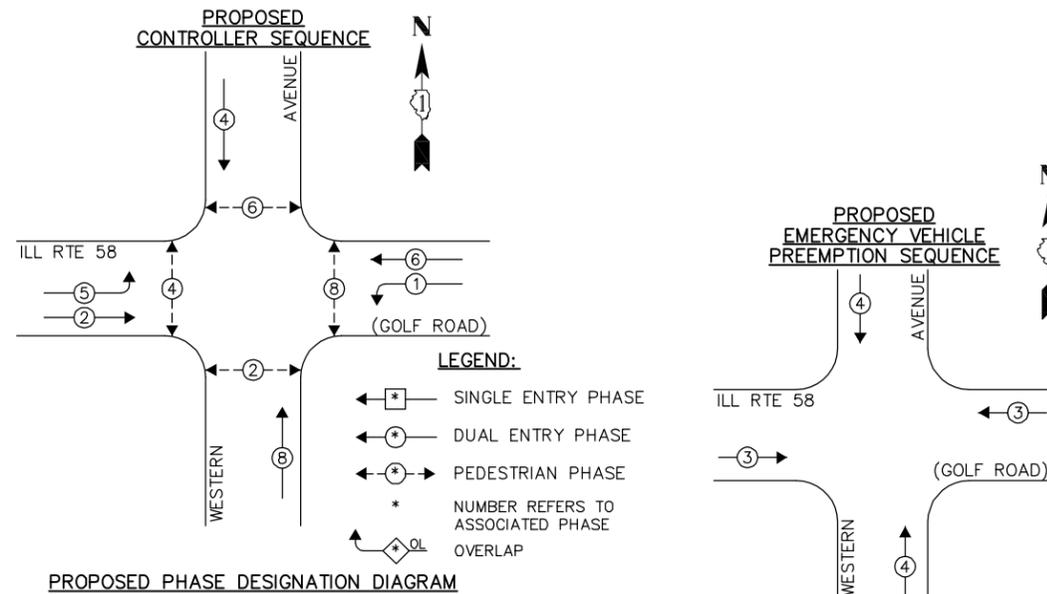
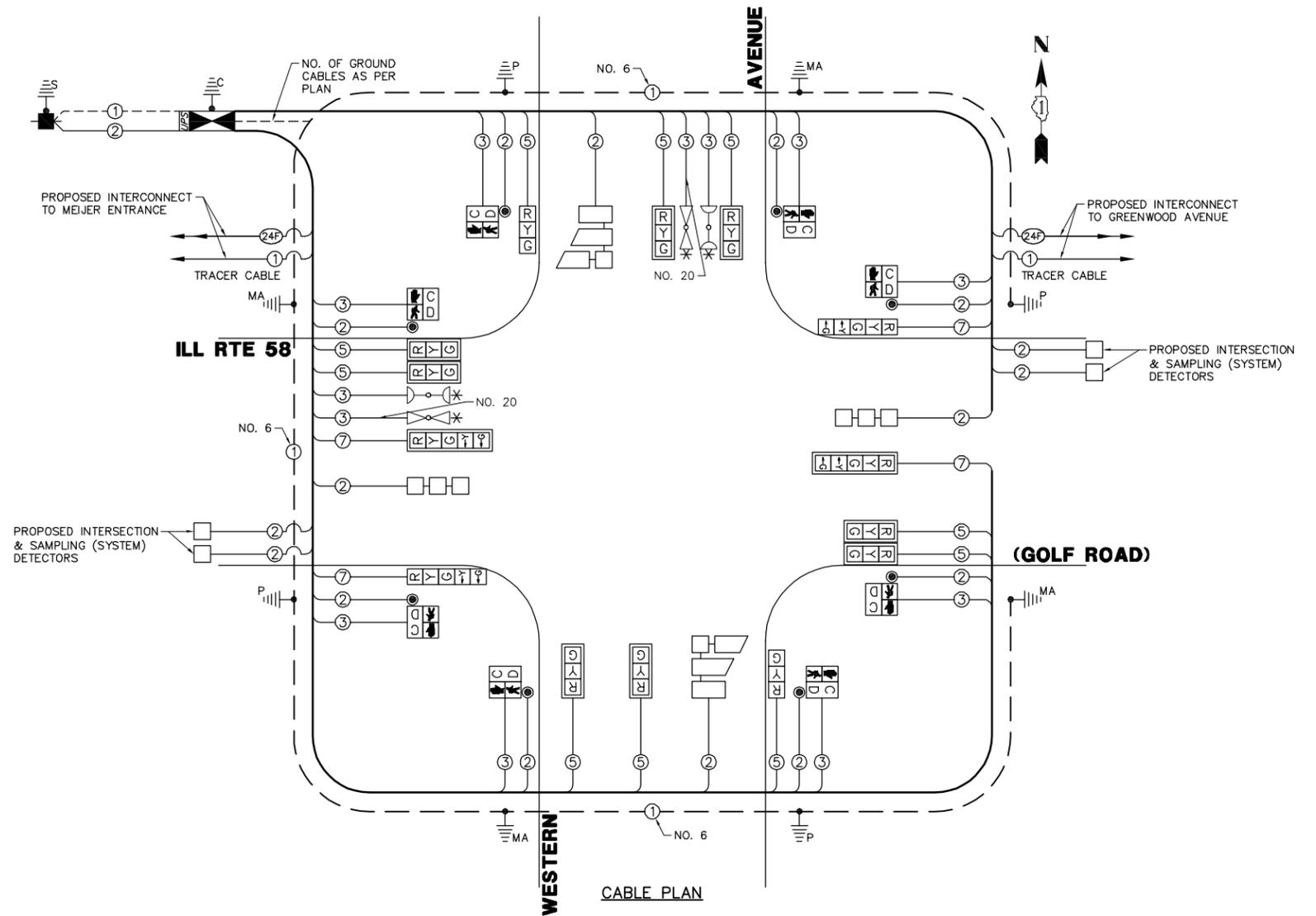


**SCHEDULE OF QUANTITIES**  
ILL ROUTE 58 (GOLF ROAD) AT WESTERN AVENUE

QUANT.	UNIT	DESCRIPTION
30	CU YD	EARTH EXCAVATION
88	SQ YD	SUBBASE GRANULAR MATERIAL, TYPE B 4"
1,580	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
108	SQ FT	DETECTABLE WARNINGS
163	FOOT	COMBINATION CURB AND GUTTER REMOVAL
795	SQ FT	SIDEWALK REMOVAL
115	SQ FT	MEDIAN REMOVAL
8	SQ YD	CLASS B PATCHES, TYPE I, 10 INCH
158	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24
47	SQ FT	CORRUGATED MEDIAN
2.00	CAL MO	ENGINEER'S FIELD OFFICE, TYPE A
0.40	L SUM	MOBILIZATION
0.40	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
0.40	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606
0.40	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
0.40	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801
16.50	SQ FT	SIGN PANEL - TYPE 1
25.00	SQ FT	SIGN PANEL - TYPE 2
72.80	SQ FT	POLYUREA PAVEMENT MARKING TYPE I- LETTERS AND SYMBOLS
65	FOOT	POLYUREA PAVEMENT MARKING TYPE I- LINE 6"
528	FOOT	POLYUREA PAVEMENT MARKING TYPE I- LINE 12"
117	FOOT	POLYUREA PAVEMENT MARKING TYPE I- LINE 24"
230	SQ FT	PAVEMENT MARKING REMOVAL
1	EACH	SERVICE INSTALLATION- POLE MOUNTED
388	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
46	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
65	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
403	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
3	EACH	HANDHOLE
2	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER - FIBER OPTIC
1,163	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1,509	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1,828	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
719	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2,085	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
32	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
502	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1 C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.
16	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
44	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
8	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
8	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
10	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
8	EACH	INDUCTIVE LOOP DETECTOR
726	FOOT	DETECTOR LOOP, TYPE I
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING SERVICE INSTALLATION
* 2	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
* 1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
8	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
* 283	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
52	SQ FT	TEMPORARY INFORMATION SIGNING
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
* 100%		OF THE COST TO THE VILLAGE OF NILES



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	14	135	17	0.50	119.0
SIGNAL (YELLOW)	14	135	25	0.25	87.5
SIGNAL (GREEN)	14	135	15	0.25	52.5
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					593.6

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
850 Forest Edge Drive • Vernon Hills, IL 60061  
Consulting Engineers & Surveyors  
847-478-9100 FAX: 847-478-9701

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

ENERGY COSTS - BILLED TO: ILL DEPT. OF TRANSPORTATION  
(ADDRESS) 201 W. CENTER COURT  
(ADDRESS) SCHAUMBURG IL 60196-1096  
ENERGY SUPPLY - CONTACT: CINDY ANTHONY  
PHONE: (847) 816-5322  
COMPANY: COM-ED

FILE NAME = 4085.879-TR1.dwg	USER NAME = ZACH WALLSTEN	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - KLB	REVISED -
		DATE - 2/1/2012	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
**ILL ROUTE 58 (GOLF ROAD) AT WESTERN AVENUE**

FAP. RTE. 339	SECTION 2011-211-TS	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 18
CONTRACT # 60R51			GHA #4085.879	

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