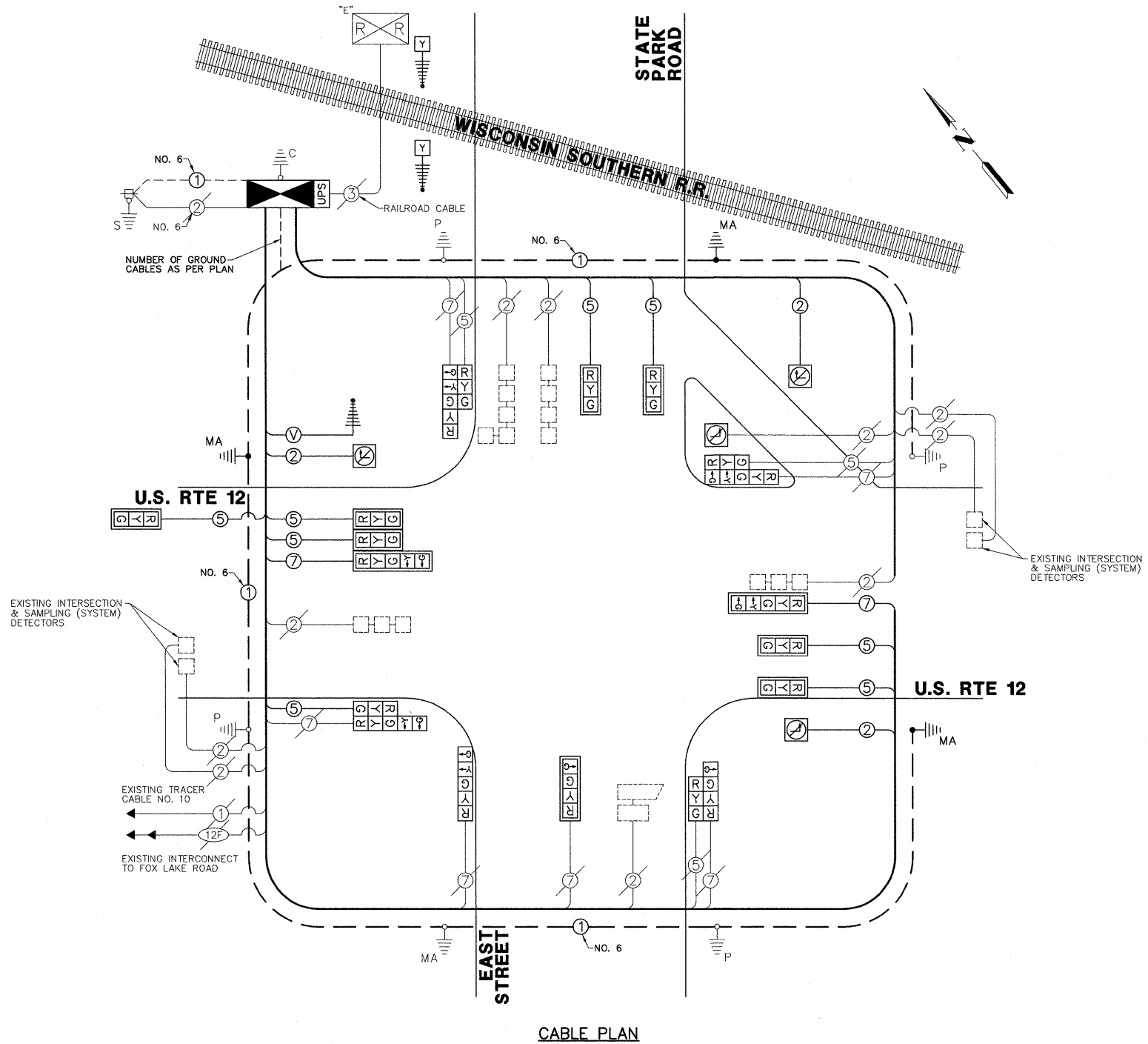


SCHEDULE OF QUANTITIES

U.S. RTE 12 AT STATE PARK ROAD/EAST STREET

NO.	QUANT.	UNIT	DESCRIPTION
1.	2	CAL MO	ENGINEER'S FIELD OFFICE, TYPE A
2.	29.50	SQ FT	SIGN PANEL - TYPE 1
3.	27.50	SQ FT	SIGN PANEL - TYPE 2
4.	45	FOOT	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL
5.	36	FOOT	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL
6.	45	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
7.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
8.	1	EACH	MASTER CONTROLLER
9.	1	EACH	TRANSCEIVER - FIBER OPTIC
10.	600	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C
11.	1,444	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C
12.	457	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C
13.	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT
14.	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT
15.	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT
16.	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 55 FT
17.	8	FOOT	CONCRETE FOUNDATION, TYPE A
18.	37	FOOT	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER
19.	3	EACH	DRILL EXISTING HANDHOLE
20.	7	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
21.	1	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED
22.	1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
23.	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
24.	1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED
25.	3	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
26.	10	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM
27.	9	EACH	INDUCTIVE LOOP DETECTOR
28.	4	EACH	ILLUMINATED SIGN, LED
29.	1,011	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
30.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
31.	2	EACH	REMOVE EXISTING CONCRETE FOUNDATION
32.	51.40	SQ FT	TEMPORARY INFORMATION SIGNING
33.	1	EACH	RAILROAD FULL-ACTUATED CONTROLLER AND TYPE V CABINET
34.	1	EACH	RADIO ACTIVATED SOLAR ADVANCE FLASHING BEACON SYSTEM (COMPLETE)
35.	7	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
36.	1	EACH	UNINTERRUPTIBLE POWER SUPPLY
37.	584	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
38.	1	EACH	POST MOUNTED FLASHING BEACON INSTALLATION
39.	0.50	L SUM	RAILROAD PROTECTIVE LIABILITY INSURANCE



CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE	% OPERATION	
		INCAND. L.E.D.		
SIGNAL (RED)	19	135 17	0.50	161.5
SIGNAL (YELLOW)	19	135 25	0.25	118.75
SIGNAL (GREEN)	19	135 15	0.25	71.25
ARROW	14	135 12	0.10	16.8
PED. SIGNAL	-	90 25	1.00	-
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	4	- 25	0.05	5.0
TOTAL =				498.3

ENERGY COSTS - BILLED TO: IDOT - DISTRICT 1
 (ADDRESS) 201 W. CENTER COURT
 (ADDRESS) SCHAUMBURG, IL 60196-1096
 ENERGY SUPPLY - CONTACT: KIMBERLY KANGAS
 PHONE: (847) 816-5497
 COMPANY: COM ED - LIBERTYVILLE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP" COMPLIANT.

Restoration of Work Area. Restoration of the traffic signal work area shall be incidental to the related pay items such as foundation, conduit, handhole, trench and backfill, etc., and no extra compensation shall be allowed. All roadway surfaces such as shoulders, medians, 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.

FILE NAME = 4085.859-TR1.dwg	USER NAME = GHA	DESIGNED - JRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN AND SCHEDULE OF QUANTITIES U.S. ROUTE 12 AT STATE PARK ROAD/EAST STREET	F.A.P. RTE. 334	SECTION 2009-128-TS	COUNTY LAKE/McHENRY	TOTAL SHEETS 21	SHEET NO. 16
PLOT SCALE = 1" = .0833'		CHECKED - DPB	REVISED -			SCALE N.A.	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT # 60J88	
PLOT DATE = 1/27/10		DATE - 1/27/10	REVISED -							GHA #4085.859