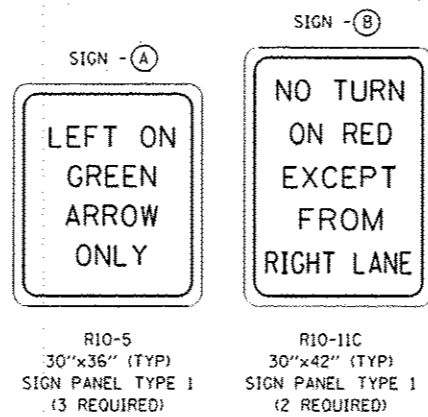
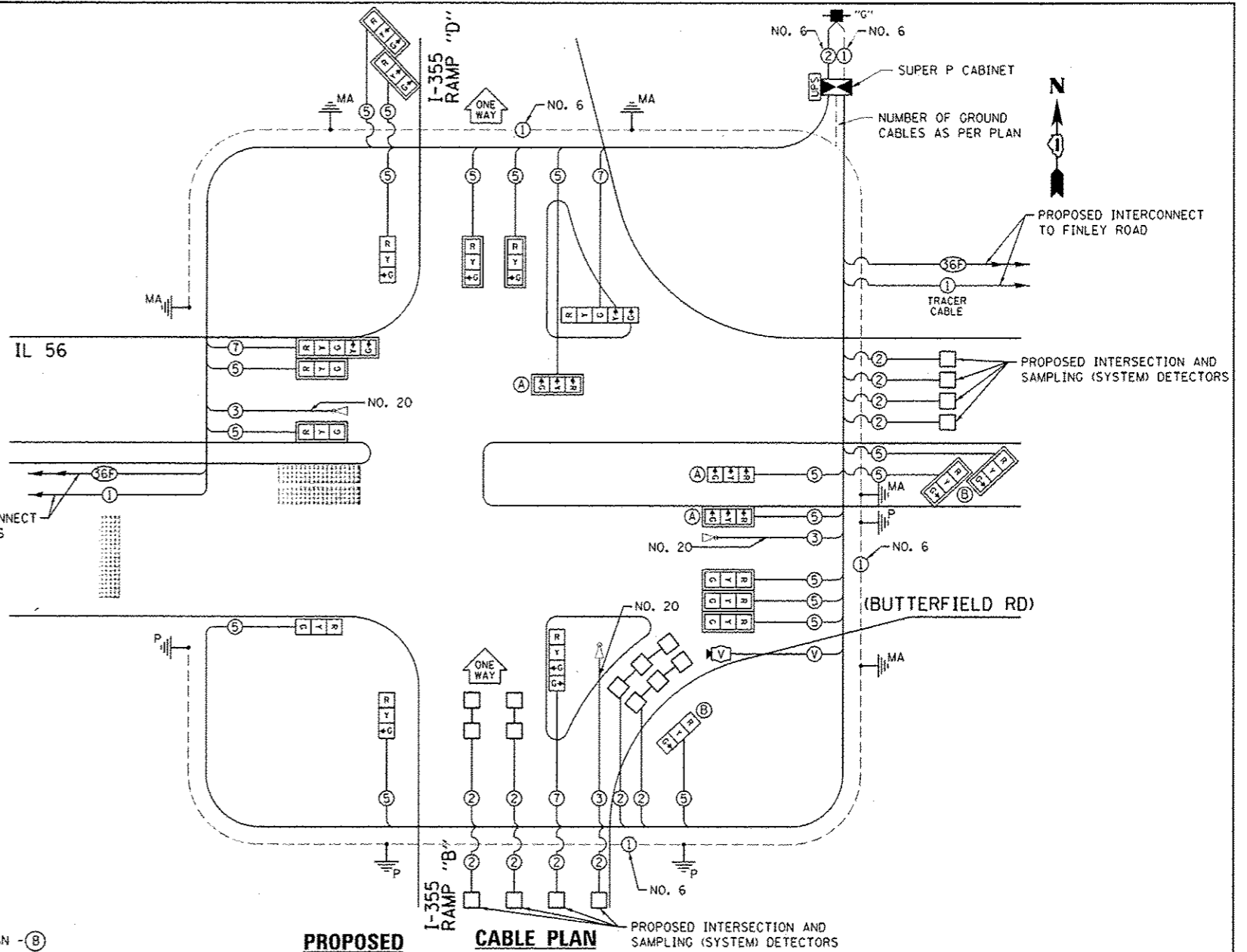


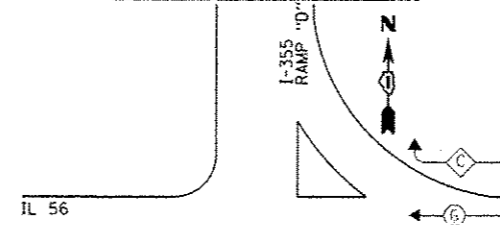
SCHEDULE OF QUANTITIES  
IL 56 (BUTTERFIELD RD) AT I-355 NB RAMPS

NO.	QUANT.	UNIT	DESCRIPTION
1.	1.00	CAL MO	ENGINEER'S FIELD OFFICE, TYPE A
2.	0.40	L SUM	MOBILIZATION
3.	0.40	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
4.	0.40	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606
5.	0.40	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
6.	40.00	SO FT	SIGN PANEL - TYPE 1
7.	1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
8.	39	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
9.	194	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
10.	241	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
11.	457	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
12.	90	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.
13.	3	EACH	HANDHOLE
14.	4	EACH	DOUBLE HANDHOLE
15.	1	EACH	TRANSCEIVER - FIBER OPTIC
16.	5,239	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
17.	637	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
18.	5,296	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
19.	37	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
20.	866	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
21.	4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
22.	2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.
23.	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.
24.	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 46 FT.
25.	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.
26.	20	FOOT	CONCRETE FOUNDATION, TYPE A
27.	4	FOOT	CONCRETE FOUNDATION, TYPE C
28.	20	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
29.	40	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
30.	13	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
31.	5	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
32.	1	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED
33.	1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
34.	1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
35.	14	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
36.	12	EACH	INDUCTIVE LOOP DETECTOR
37.	838	FOOT	DETECTOR LOOP, TYPE I
38.	1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
39.	3	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
40.	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
41.	2,504	FOOT	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
42.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
43.	6	EACH	REMOVE EXISTING HANDHOLE
44.	8	EACH	REMOVE EXISTING CONCRETE FOUNDATION
45.	905	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
46.	671	FOOT	ROD AND CLEAN EXISTING CONDUIT
47.	1	EACH	MICROWAVE VEHICLE SENSOR (SMARTSENSOR ADVANCE)
48.	1	EACH	FULL-ACTUATED CONTROLLER AND SUPER P CABINET, TYPE IV, SPECIAL
49.	1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
50.	51.40	SO FT	TEMPORARY INFORMATION SIGNING
51.	1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
52.	4	EACH	CLEAN EXISTING MANHOLE OR HANDHOLE

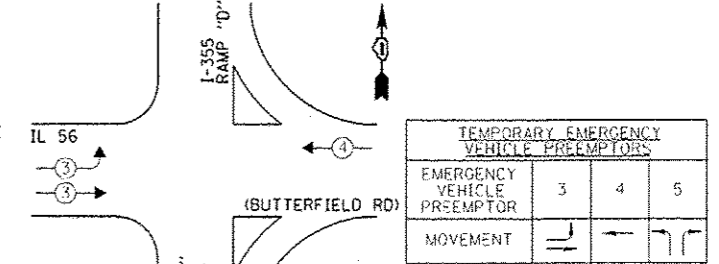
\*100% OF THE COST SHALL BE PAID BY THE VILLAGE OF DOWNERS GROVE



PROPOSED CONTROLLER SEQUENCE



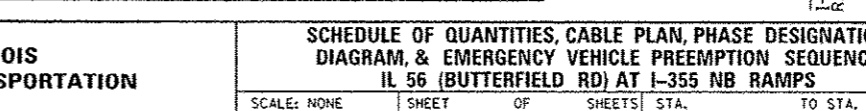
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- SINGLE ENTRY PHASE
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE
- OVERLAP

PROPOSED PHASE DESIGNATION DIAGRAM



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE	OPERATION		
SIGNAL (RED)	21	135	17	0.50	178.5
SIGNAL (YE. LGW)	21	135	25	0.25	131.25
SIGNAL (GREEN)	22	135	15	0.25	82.5
ARROW	4	135	12	3.10	4.3
PEE. 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	-
V.I.D. SYSTEM	1	-	150	1.00	150.0
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					672.05

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

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
60190-25-IL56East Ramp-Cable.dgn	gibson	JRD	-
MODEL NAME =	PLOT SCALE =	DRAWN -	REVISED -
	1/8" = 1'-0"	PJS/JPW	-
	PLOT DATE =	CHECKED -	REVISED -
	5/15/2013	KLB	-
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION  
DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL 56 (BUTTERFIELD RD) AT I-355 NB RAMPS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	(56R-2) TS	DUPAGE	33	25
CONTRACT NO. 60T9B			CHA #4085.885	
(ILLINOIS) FED. AID PROJECT				