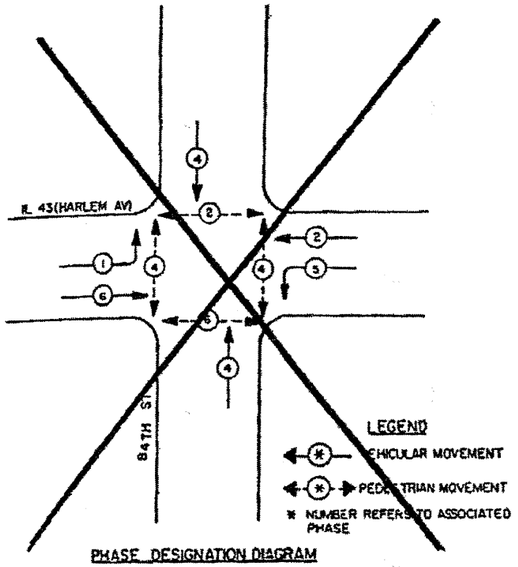
CONTROLLER SEQUENCE III

REFERRING TO STANDARD 2393, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW.

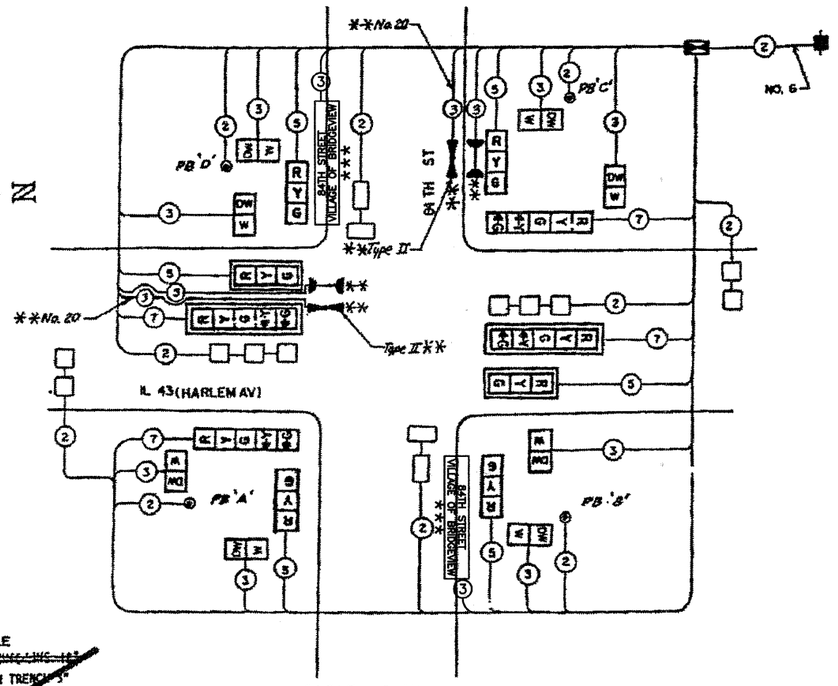


PHASE DESIGNATION DIAGRAM

NOTE:
~~PUSH BUTTONS C & D TO PLACE PEDESTRIAN CALLS IN PHASES 2 & 4.~~
~~PUSH BUTTONS A & B TO PLACE PEDESTRIAN CALLS IN PHASES 4 & 6~~

** SEE SHEET 15 FOR SEQUENCES

** NOTE:
PUSHBUTTON "A" SHALL PLACE A CALL TO PHASES 2 & 4
PUSHBUTTON "B" SHALL PLACE A CALL TO PHASES 2 & 8
PUSHBUTTON "C" SHALL PLACE A CALL TO PHASES 6 & 8
PUSHBUTTON "D" SHALL PLACE A CALL TO PHASES 4 & 8



CABLE PLAN

CABLE PLAN LEGEND

- 8" TRAFFIC SIGNAL SECTION
- 12" TRAFFIC SIGNAL SECTION
- CONTROLLER CABINET
- SERVICE INSTALLATION
- VEHICLE DETECTOR, INDUCTION LOOP
- (2) DENOTES NUMBER OF CONDUCTORS (TWO) ALL LOOP DETECTOR CABLE TO BE SHIELDED. ALL CABLE NO 14 EXCEPT AS INDICATED
- (2) INDICATES EXISTING CABLE
- MAGNETIC DETECTOR
- OPTICAL DETECTOR
- 'P' SIGNAL FACE WITH BACKPLATE 'P' INDICATES PROGRAMMED
- ** CONFIRMATION BEACON
- *** HARLEM AVENUE / VILLAGE OF BRIDGEVIEW L.E.D. ILLUMINATED STREET NAME SIGN

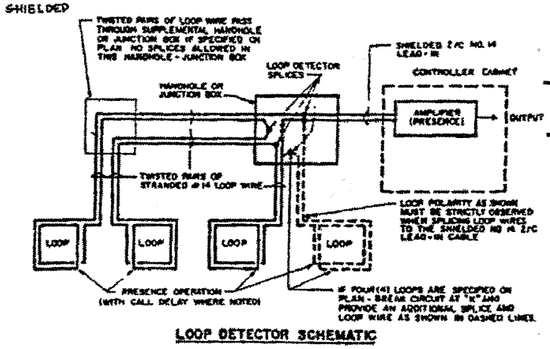
SUMMARY OF QUANTITIES

CODE NUMBER	QUANTITY	UNIT	ITEM
X29101	12	SQ. FT.	SIGN PANEL TYPE 1
X86052	4	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 3-SECTION, BRACKET MOUNTED
X86053	2	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 3-SECTION, MAST ARM MOUNTED
X86058	2	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 5-SECTION, BRACKET MOUNTED
X86059	2	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 5-SECTION, MAST ARM MOUNTED
X86222	8	EACH	PEDESTRIAN SIGNAL HEAD, ALUMINUM, 1-FACE, BRACKET MOUNTED
X86301	4	EACH	TRAFFIC SIGNAL BACKPLATE
X86429	4	EACH	TRAFFIC SIGNAL POST, FERROUS 14 FT.
X86431	2	EACH	TRAFFIC SIGNAL POST, FERROUS 16 FT.
X86446	2	EACH	STEEL MAST ARM ASSEMBLY AND POLE 24 FT.
~~X86~~	~~2~~	~~EACH~~	~~FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE III, 5 PHASES, IN TYPE IV CABINET~~
X86417	2	EACH	TIME BASE COORDINATING UNIT
~~X86502~~	~~8~~	~~EACH~~	~~INDUCTION LOOP DETECTOR AMPLIFIER~~
~~X86504~~	~~2~~	~~EACH~~	~~INDUCTION LOOP DETECTOR AMPLIFIER WITH CALLING DETECTOR RELAY~~
~~X86801~~	~~598~~	~~LIN. FT.~~	~~DETECTOR LOOP~~
X86951	4	EACH	PEDESTRIAN PUSHBUTTON
X87003	349	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 1-1/4"
X87004	158	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 1-1/2"
X87005	84	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 2"
X87006	49	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 2-1/2"
* SPECIAL ITEM			
T42810	2	EACH	DRILL EXISTING HANDHOLE
~~X90440~~	~~95~~	~~LIN. FT.~~	~~THERMOPLASTIC PAVEMENT MARKING - LINE 12"~~
T42007	18	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 3"
T42008	15	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 3-1/2"
T42009	10	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 4"
T42013	174	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 1-1/4"
T42014	79	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 1-1/2"
T42015	25	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 2"
T42017	99	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 3"
T42018	70	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 3-1/2"
△ T42061	58	LIN. FT.	UNIT DUCT, WITHOUT CABLE, IN TRENCH 1"
T42124	248	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 6 2/C
T42142	445	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 2/C
T42145	903	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 3/C
T42141	717	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 5/C
T42114	512	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 7/C
T42186	1138	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 2/C TWISTED, SHIELDED
X06340	31.2	SQ. FT	PAVEMENT MARKING REMOVAL
T42605	1	EACH	SERVICE INSTALLATION, TYPE C
T42701	18	LIN. FT.	CONCRETE FOUNDATION, TYPE A
T42702	3.5	LIN. FT.	CONCRETE FOUNDATION, TYPE D
T42703	20	LIN. FT.	CONCRETE FOUNDATION, TYPE E 24-INCH DIAMETER
T42804	5	EACH	CONCRETE HANDHOLE
T42805	2	EACH	CONCRETE HEAVY-DUTY HANDHOLE
T42806	1	EACH	CONCRETE DOUBLE HANDHOLE
T43001	592	LIN. FT.	TRENCH AND BACKFILL
* T50102	350	LIN. FT.	THERMOPLASTIC PAVEMENT MARKING - LINE 4"
* T50104	460	LIN. FT.	THERMOPLASTIC PAVEMENT MARKING - LINE 6"
* T50107	88	LIN. FT.	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
617046	133	SQ. FT.	SIDEWALK REMOVAL AND REPLACEMENT
X04748	1	L. SUM	MOBILIZATION
X06346	310	LIN. FT.	PAVEMENT MARKING REMOVAL

EACH LOOP LEAD-IN SHALL BE PLACED IN A SEPARATE CONDUIT FROM EDGE OF PAVEMENT TO HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6".

2. EACH LOOP DETECTOR SPLICE SHALL BE AN INDIVIDUAL TYPE 2 OR TYPE 3S SPLICE

3. LOOP TURNS AS RECOMMENDED BY THE MANUFACTURER



LOOP DETECTOR SCHEMATIC

SCHEDULE OF SIGNAL HEADS

~~4~~	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 3-SECTION WITH 12" LENSES, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 3-SECTION WITH 12" LENSES, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 5-SECTION WITH 12" LENSES, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 5-SECTION WITH 12" LENSES, MAST ARM MOUNTED
8	EACH	PEDESTRIAN SIGNAL HEAD, ALUMINUM, 1-FACE, 2-SECTION WITH 12" LENSES, BRACKET MOUNTED

~~# THESE ITEMS INCLUDED IN CONTRACT FOR INSTALLATION OF EMERGENCY VEHICLE PREEMPTION EQUIPMENT.~~
~~## Plans Revised by CIVILTECH ENGINEERING, INC.~~

*** THIS PLAN IS FOR THE PURPOSE OF INSTALLING L.E.D. ILLUMINATED STREET NAME SIGNS AS SHOWN PER PLAN. ALL OTHER EQUIPMENT SHALL BE DISREGARDED.

LOCATION NO. 8

FILE NAME = 07441_02-PLAN-SIGN-01 - IDOT P13	USER NAME =	DESIGNED — MRS	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION CABLE PLAN IL ROUTE 43 (HARLEM AVE) AND 84TH STREET	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED — PKB	REVISED —			348	07-00055-01-SG	COOK	55	38
	PLOT SCALE =	DRAWN — RG	REVISED —					CONTRACT NO. 63510		
	PLOT DATE = 10-21-10	CHECKED — AG	REVISED —		SCALE: 1"=20' SHEET NO. 38 OF 55 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT HPP-3462(001)		