

SEQUENCE OF OPERATIONS													
MOVEMENT	←		→		←		→		F	L			
PHASE	1+6		2+6		3		4		A	S			
INTERVAL	1	2	3A	3B	4	5A	5B	6	7	8A	8B	9A	9B
CHANGE TO	2+6		3		4		1+6		2+6				
ILL 43 (HARLEM AV) S/B NEAR RIGHT SIGNAL	G	Y	R	R	R	R	R	R	R	R	R	R	R
ILL 43 (HARLEM AV) S/B END MAST ARM AND FAR LEFT SIGNALS	G	Y	R	R	R	R	R	R	R	R	R	R	R
ILL 43 (HARLEM AV) N/B NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	G	Y	R	R	R	R	R	R	R
ILL 43 (HARLEM AV) N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	G	Y	R	R	R	R	R	R	R
SHOPPING CENTER NEAR RIGHT AND FAR RIGHT SIGNALS	R	R	R	R	R	R	R	R	G	Y	R	R	R
SHOPPING CENTER FAR LEFT SIGNAL	R	R	R	R	R	R	R	R	G	Y	R	R	R
PEDESTRIAN SIGNALS X-WG ILL 43 ON INSIDE OF SHOPPING CENTER DR	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW

~~TO APPEAR ONLY UPON PUSHBUTTON ACTUATION.~~

~~* * FLASHING "DON'T WALK" INDICATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL.~~

SCHEDULE OF QUANTITIES		
QUANTITY	UNIT	ITEM
1	EACH	SIGNAL HEAD, 2-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 3-FACE, 2-5 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED
1	EACH	TRAFFIC SIGNAL POST, APPROX 16 FT.
1	EACH	FULL-ACTUATED CONTROLLER, SPECIAL SEQUENCE, 8 PHASES, IN TYPE IV CABINET
1	EACH	TRANSCIVER
4	EACH	INDUCTION LOOP DETECTOR AMPLIFIER
222	LIN. FT.	DETECTOR LOOP TYPE I
2	EACH	PEDESTRIAN PUSHBUTTON
515	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 2"
235	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 2"
26	LIN. FT.	UNIT DUCT, WITHOUT CABLE IN TRENCH 1"
354	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 2/C
283	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 3/C
121	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 7/C
786	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 2/C TWISTED, SHIELDED
720	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 18 3 PAIR TWISTED, SHIELDED
3	EACH	CONCRETE HANDHOLE
528	LIN. FT.	TRENCH AND BACKFILL
2	EACH	REBUILD EXISTING SIGNAL HEAD
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
3	EACH	RELOCATE EXISTING INDUCTION LOOP DETECTOR AMPLIFIER
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	PAINT EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	DRILL EXISTING HANDHOLE
14	LIN. FT.	THERMOPLASTIC PAVEMENT MARKING - LINE 6"
109	LIN. FT.	THERMOPLASTIC PAVEMENT MARKING - LINE 12"

~~THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR. IT SHALL REMAIN THE PROPERTY OF THE STATE, AND SHALL BE STORED AS STATED IN THE SPECIAL PROVISION FOR PICK UP BY STATE FORCES AS DESIGNATED BY THE ENGINEER.~~

~~1 EACH CONTROLLER CABINET COMPLETE~~

~~THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY HIM AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.~~

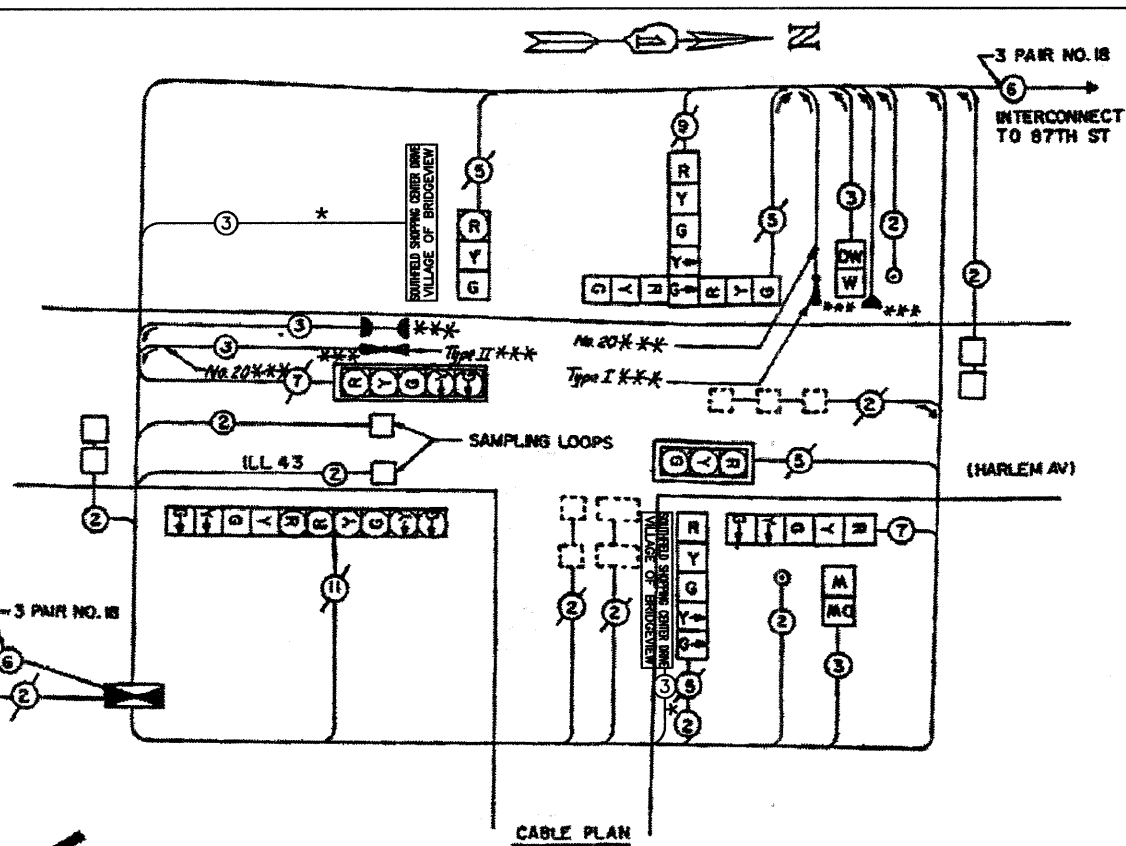
~~1 EACH SIGNAL HEAD, 1-FACE, 3-SECTION~~

~~1 EACH SIGNAL HEAD, 3-FACE, 3-SECTION~~

~~1 EACH TRAFFIC SIGNAL POST~~

~~REBUILD EXISTING HANDHOLE SPECIAL~~

~~24.00 SQ. FT. CURB MEDIAN REMOVAL AND PAVEMENT REPAIRMENT SPECIAL~~



- CABLE PLAN LEGEND**
- 8" TRAFFIC SIGNAL SECTION
 - 12" TRAFFIC SIGNAL SECTION
 - 12" PEDESTRIAN SIGNAL SECTION
 - CONTROLLER CABINET
 - SERVICE INSTALLATION
 - VEHICLE DETECTOR, INDUCTION LOOP
 - PUSHBUTTON DETECTOR
 - DENOTES NUMBER OF CONDUCTORS (NEED ALL LOOP DETECTOR CABLE TO BE SHIELDED, ALL CABLE NO. 14 EXCEPT AS INDICATED)
 - INDICATES EXISTING CABLE
 - SIGNAL FACE WITH BACKPLATE
 - "*" INDICATES PROGRAMMED
 - EXISTING SIGNAL SECTION
 - MAGNETIC DETECTOR
 - OPTICAL DETECTOR
 - CONFIRMATION BEACON
 - CABLE ROUTES TO CONTROLLER THROUGH 2" CONDUIT SYSTEM CROSSING HARLEM AVENUE ON SOUTH LEG.
 - CABLE ROUTES TO CONTROLLER THROUGH ORIGINAL CONDUIT SYSTEM CROSSING HARLEM AVENUE ON NORTH LEG.
 - L.E.D. ILLUMINATED STREET NAME SIGN

*** SEE SHEET 21 FOR SEQUENCES

* 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.

~~*** THESE ITEMS INCLUDED IN CONTRACT FOR INSTALLATION OF EMERGENCY VEHICLE RECOVERY EQUIPMENT.~~