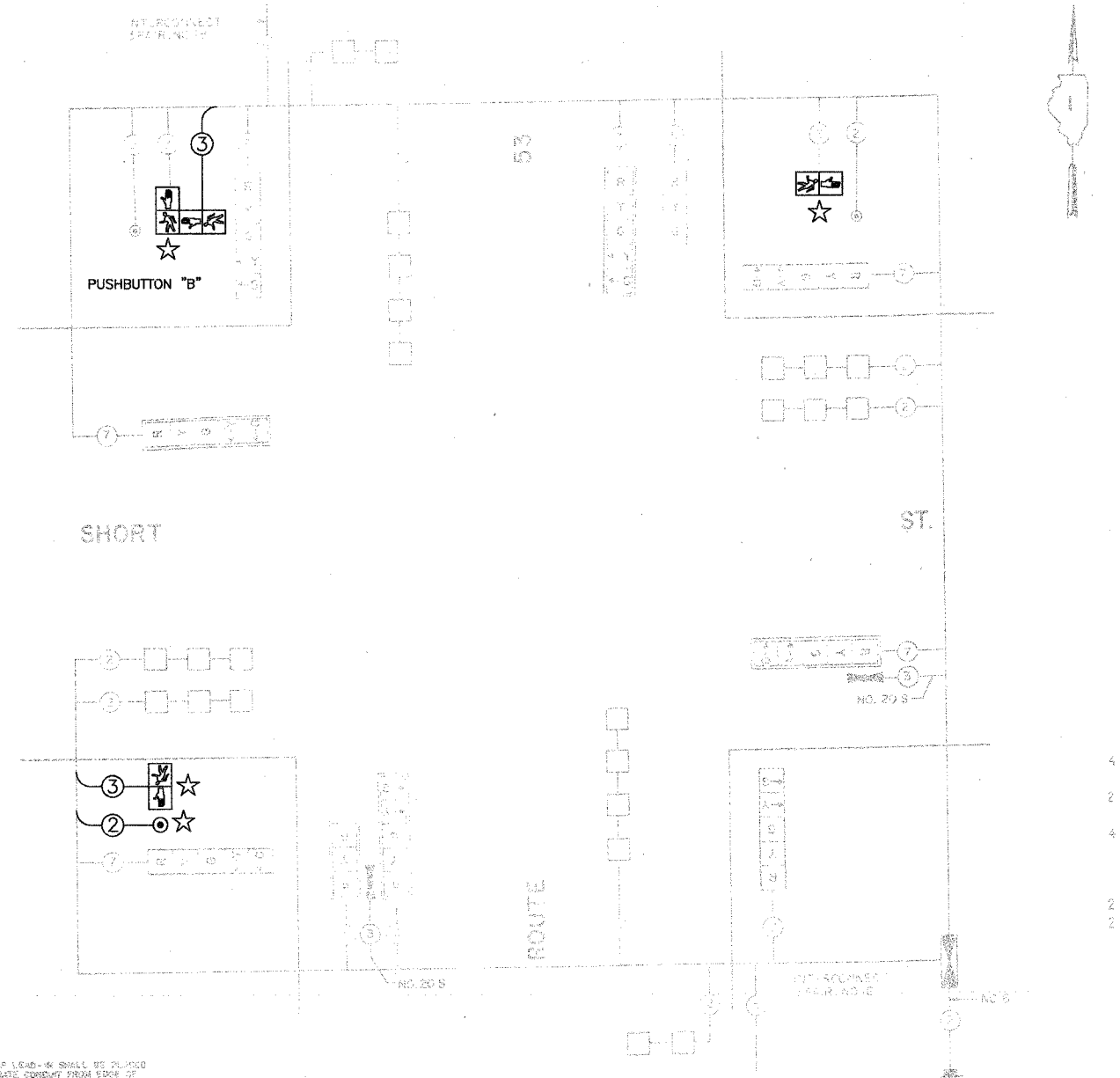


SCHEDULE OF QUANTITIES

1	UNIT	TRAFFIC SIGNAL
2	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, ALUMINUM, 1-FACE, BRACKET MOUNTED
1	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TRAFFIC SIGNAL BACKPLATE
12	SQ. FT.	SIGN PANEL TYPE I
4	EACH	TRAFFIC SIGNAL POST, SEPARATE, 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 35 FT.
907	LIN. FT.	DETECTOR LOOP
10	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 1 1/2"
580	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 2"
147	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 2 1/2"
389	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 3"
62	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 3 1/2"
1	EACH	SERVICE INSTALLATION, TYPE C
17	LIN. FT.	ELECTRIC CABLE IN CONDUIT, NO. 6 2/C
1127	LIN. FT.	ELECTRIC CABLE IN CONDUIT, NO. 14 7/C
185	LIN. FT.	ELECTRIC CABLE IN CONDUIT, NO. 14 5/C
480	LIN. FT.	ELECTRIC CABLE IN CONDUIT, NO. 14 3/C
1718	LIN. FT.	ELECTRIC CABLE IN CONDUIT, NO. 14 2/C, TWISTED, SHIELDED
10	LIN. FT.	CONCRETE FOUNDATION, TYPE A
4	LIN. FT.	CONCRETE FOUNDATION, TYPE D
40	LIN. FT.	CONCRETE FOUNDATION, TYPE E, 24" DIA.
7	EACH	CONC. HANDHOLE
4	EACH	CONC. HEAVY-DUTY HANDHOLE
1	EACH	CONCRETE HANDHOLE
974	LIN. FT.	TRENCH AND BACKFILL
1	EACH	SEPARATE EXISTING TRAFFIC SIGNAL CONTROLLER & CABINET
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
3	EACH	REMOVE EXISTING HANDHOLE
1	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	TYPE PRELIMINAR
1	EACH	EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNIT
1	EACH	EMERGENCY VEHICLE PRIORITY SYSTEM BLAZING UNIT
700	LIN. FT.	EMERGENCY VEHICLE PRIORITY SYSTEM LEAD-IN CABLE IN CONDUIT
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	COORDINATION POINT
1	EACH	TELEMETRY MODULE
1	EACH	INDUCTION LOOP DETECTOR AMPLIFIER
123	LN. FT.	UNIT DUCT, WITHOUT CABLE, IN TRENCH, 1"
1	EACH	MAINTENANCE OF EXISTING CABLE, IN TRENCH, 1"
25	LN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 2"
44	LN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 2 1/2"
34	LN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 3"
49	LN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 3 1/2"
10	LN. FT.	GALVANIZED STEEL CONDUIT, IN TRENCH 4"
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION



CABLE PLAN LEGEND

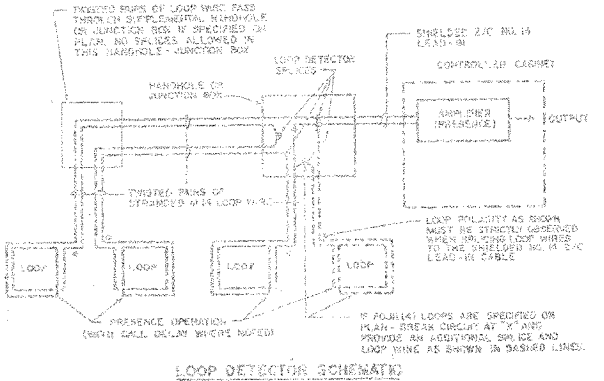
- 12" TRAFFIC SIGNAL SECTION
- 17" TRAFFIC SIGNAL SECTION
- 10" PEDESTRIAN SIGNAL SECTION
- CONTROLLER CABINET
- SERVICE INSTALLATION
- VEHICLE DETECTOR, INDUCTION LOOP
- PUSHBUTTON DETECTOR
- INDICATES NUMBER OF CONDUCTORS (NEW)
- ALL LOOP DETECTOR CABLE TO BE SHIELDED. ALL CABLE NO. 14 EXCEPT AS INDICATED.
- SIGNAL FACE WITH BACKPLATE
- "P" INDICATES PROGRAMMED
- S. SHIELDED
- PUSHBUTTON DETECTOR
- 12" (300mm) PEDESTRIAN SIGNAL SECTION

SCHEDULE OF SIGNAL HEADS

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

NOTE: PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.

NOTE: THIS PLAN IS FOR THE SOLE PURPOSE OF INSTALLING PEDESTRIAN SIGNALS AND OTHER MODIFICATIONS AS INDICATED BY A "★". ALL OTHER WORK SHOWN IS FOR INFORMATION ONLY.



1. EACH LOOP LEAD-IN SHALL BE PLACED IN A SEPARATE CONDUIT FROM EDGE OF PAVEMENT TO HANDHOLE. SPACING BETWEEN HOLES INCLUDED IN THE PAVEMENT SHALL NOT BE LESS THAN 4"
2. EACH LOOP DETECTOR SHALL BE AN INDIVIDUAL TYPE 14 TYPE 2C OR 3C.
3. LOOP TURNS AS RECOMMENDED BY THE MANUFACTURER.

SCHEDULE OF QUANTITIES
IL ROUTE 53 (Lincoln Avenue) and SHORT STREET

20	FOOT	CONDUIT IN TRENCH, 1-1/2" DIA., GALVANIZED STEEL
1	EACH	MAINTENANCE OF TRAFFIC SIGNAL INSTALLATION
173	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
792	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
1	EACH	DRILL EXISTING HANDHOLE
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE BRACKET MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE BRACKET MOUNTED
1	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
20	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK

★ Plans revised by JAMES J. BENES & ASSOCIATES

REVISIONS	
NAME	DATE
ADDITION OF PEDESTRIAN EQUIPMENT	04/25/05

ILLINOIS DIVISION OF HIGHWAYS
TRAFFIC SIGNAL INSTALLATION
ROUTE 53 AND SHORT ST.
CABLE PLAN